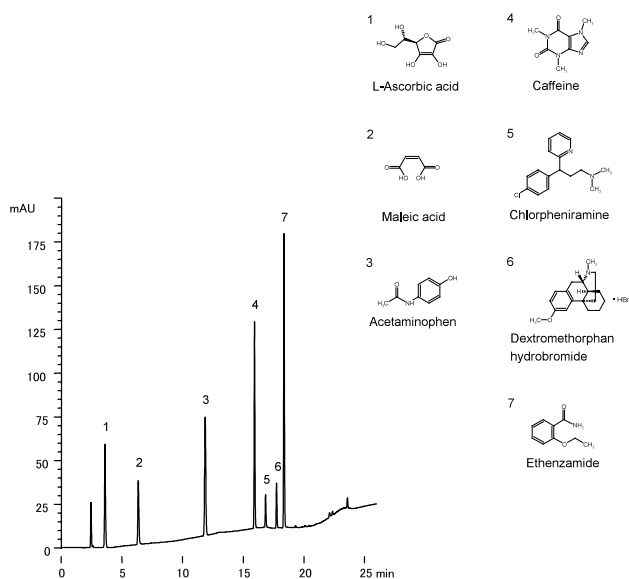


風邪薬成分

Ingredients in a cough/cold medication

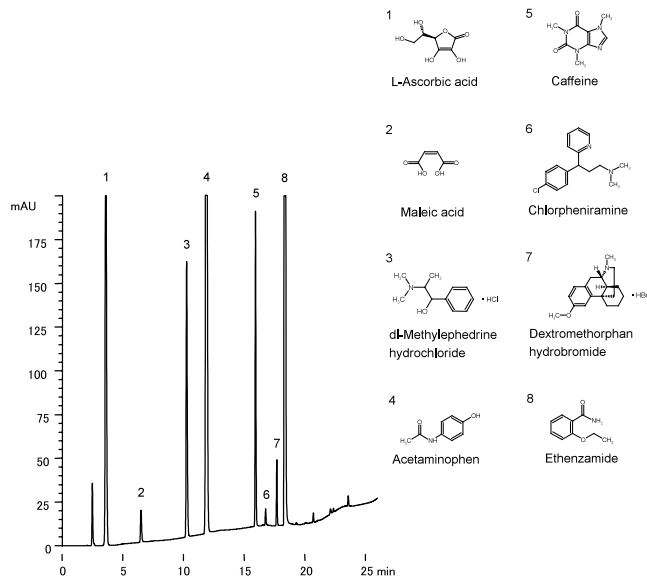


(F040616A)

Column : Hydrosphere C18 (5 μ m, 12nm)
150 \times 4.6 mm I.D.
Eluent : A) 20mM $\text{KH}_2\text{PO}_4\text{-H}_3\text{PO}_4$ (pH 2.5)
B) methanol
0-20%B(0-10min), 20-90%B(10-20min), 90%B(20-25min)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 210 nm(0-13min), UV at 235 nm(13-25min)
Injection : 10 μ L (12.5 ~ 50.0 μ g/mL)

市販風邪薬

A commercial cough/cold medication

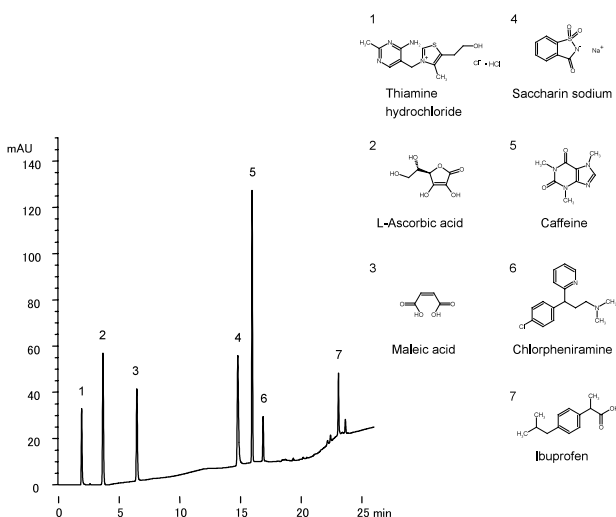


(F040616B)

Column : Hydrosphere C18 (5 μ m, 12nm)
150 \times 4.6 mm I.D.
Eluent : A) 20mM $\text{KH}_2\text{PO}_4\text{-H}_3\text{PO}_4$ (pH 2.5)
B) methanol
0-20%B(0-10min), 20-90%B(10-20min), 90%B(20-25min)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 210 nm(0-13min), UV at 235 nm(13-25min)
Injection : 15 μ L (1.5 mg/mL)
Sample : 70% methanol extract of a commercially available cough/cold medication

風邪薬成分

Ingredients in a cough/cold medication

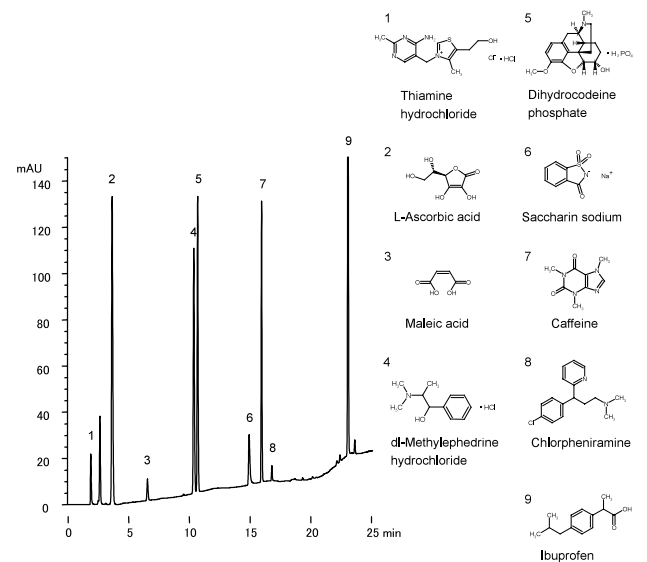


(F040524A)

Column : Hydrosphere C18 (5 μ m, 12nm)
150 \times 4.6 mm I.D.
Eluent : A) 20mM $\text{KH}_2\text{PO}_4\text{-H}_3\text{PO}_4$ (pH 2.5)
B) methanol
0-20%B(0-10min), 20-90%B(10-20min), 90%B(20-25min)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 210 nm(0-12min), UV at 235 nm(12-25min)
Injection : 10 μ L (12.5 ~ 50.0 μ g/mL)

市販風邪薬

A commercial cough/cold medication

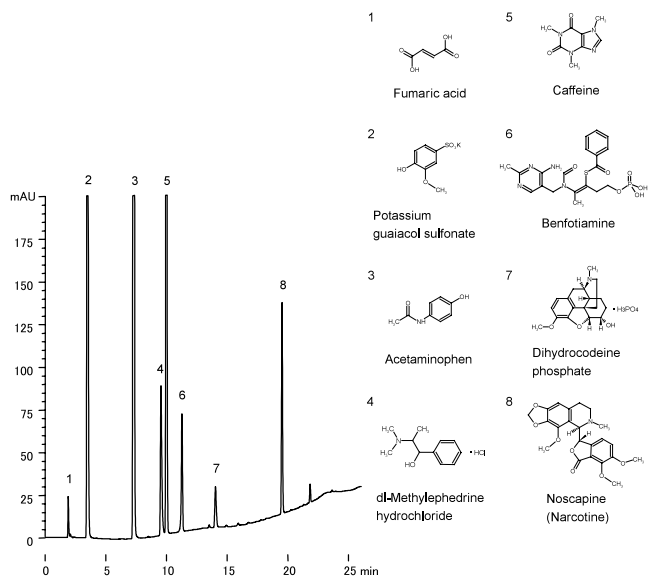


(F040524B)

Column : Hydrosphere C18 (5 μ m, 12nm)
150 \times 4.6 mm I.D.
Eluent : A) 20mM $\text{KH}_2\text{PO}_4\text{-H}_3\text{PO}_4$ (pH 2.5)
B) methanol
0-20%B(0-10min), 20-90%B(10-20min), 90%B(20-25min)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 210 nm(0-12min), UV at 235 nm(12-25min)
Injection : 15 μ L (1.5 mg/mL)
Sample : 70% methanol extract of a commercially available cough/cold medication

市販風邪薬

A commercial cough/cold medication



(F040706B)

Column : YMC-Pack Pro C18 (5 μ m, 12nm)
150 \times 4.6 mm I.D.

Eluent : A) 20mM KH_2PO_4 - K_2HPO_4 (pH 6.9)
B) methanol

Flow rate : 1.0 mL/min

Temperature : 37

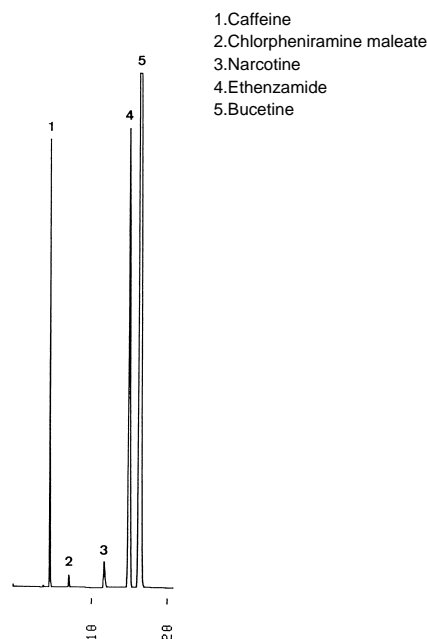
Detection : UV at 215 nm(0-13min), UV at 235 nm(13-25min)

Injection : 2 μ L (15 mg/mL)

Sample : 70% methanol extract of a commercially available cough/cold medication

市販風邪薬

A commercial cough/cold medication



(G910523U)

Column : YMC-Pack ODS-AM (5 μ m, 12nm)
250 \times 4.6 mm I.D.

Eluent : acetonitrile/methanol/0.1% phosphoric acid (18/15/77)

Flow rate : 1.0 mL/min

Temperature : 30

Detection : UV at 254 nm, 0.08 AUFS

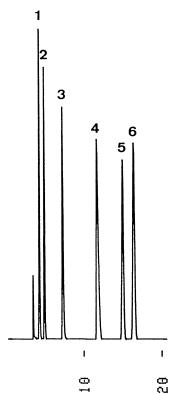
Injection : 3 μ L (10 mg/mL)

Sample : an extract from a commercially available cough/cold preparation

風邪薬成分

Ingredients in a cough/cold medication

1. Acetaminophen
2. Caffeine
3. Chlorpheniramine malate
4. Narcotine
5. Ethenzamide
6. Bucetine



(G910523E)

Column : YMC-Pack ODS-AM (5 μ m, 12nm)
250 \times 4.6 mm I.D.

Eluent : acetonitrile/methanol/0.1% phosphoric acid (18/15/77)

Flow rate : 1.0 mL/min

Temperature : 30

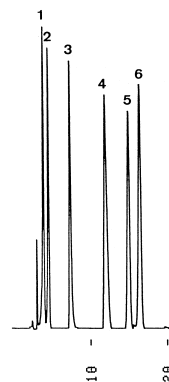
Detection : UV at 254 nm, 0.08 AUFS

Injection : 10 μ L (0.02 ~ 0.22 mg/mL)

風邪薬成分

Ingredients in a cough/cold medication

1. Acetaminophen
2. Caffeine
3. Chlorpheniramine malate
4. Narcotine
5. Ethenzamide
6. Bucetine



(G910523F)

Column : YMC-Pack ODS-AM (5 μ m, 12nm)
150 \times 6.0 mm I.D.

Eluent : acetonitrile/methanol/0.1% phosphoric acid (18/15/77)

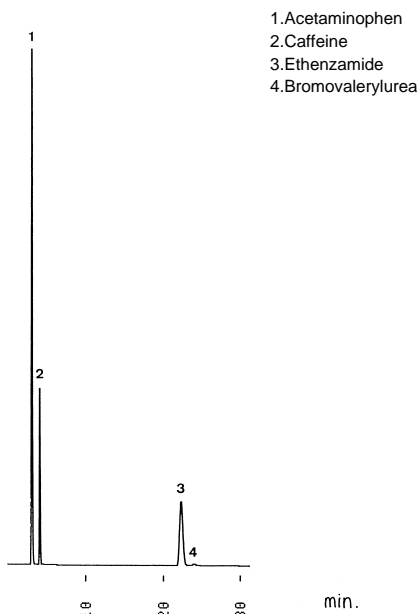
Flow rate : 1.0 mL/min

Temperature : 30

Detection : UV at 254 nm, 0.08 AUFS

Injection : 17 μ L (0.02 ~ 0.22 mg/mL)

市販鎮痛解熱剤 Pain-killing drug

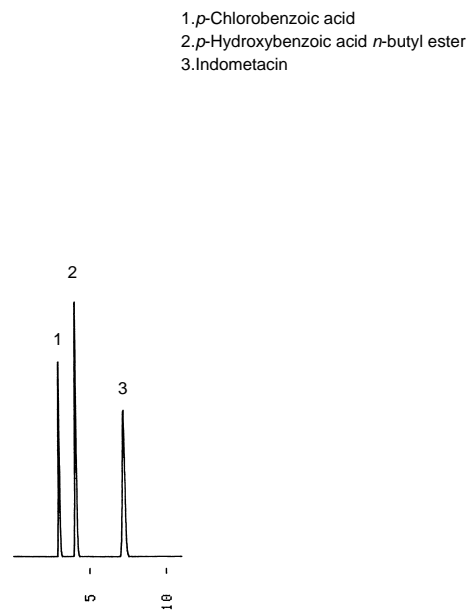


1. Acetaminophen
2. Caffeine
3. Ethenzamide
4. Bromovalerylurea

(G900727D)

Column : YMC-Pack ODS-A (5 μ m, 12nm)
150 \times 4.6 mm I.D.
Eluent : acetonitrile/0.1% phosphoric acid (3/17)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 254 nm, 0.16 AUFS
Injection : 5 μ L

インドメタシン Indometacin

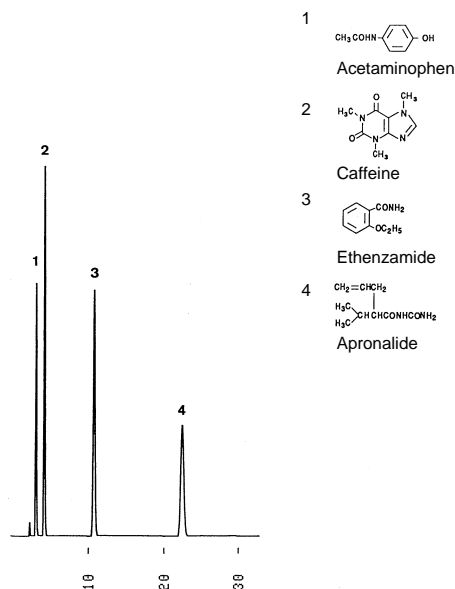


1. *p*-Chlorobenzoic acid
2. *p*-Hydroxybenzoic acid *n*-butyl ester
3. Indometacin

(G900727F)

Column : YMC-Pack ODS-A (5 μ m, 12nm)
150 \times 4.6 mm I.D.
Eluent : methanol/0.1% phosphoric acid (70/30)
Flow rate : 1.3 mL/min
Temperature : 30
Detection : UV at 254 nm, 0.64 AUFS
Injection : 20 μ L
(日本薬局方第12改正記載条件)

解熱鎮痛薬成分 Analgesics

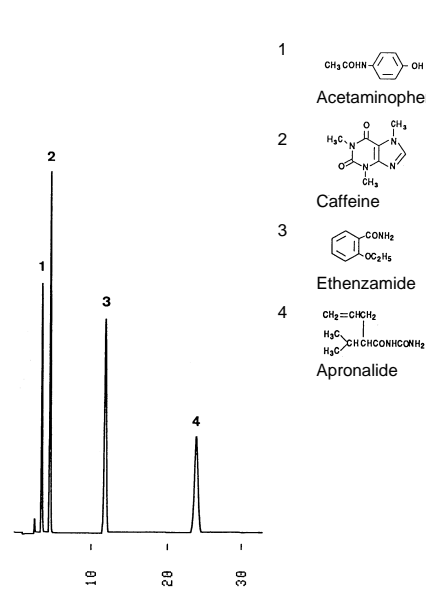


1. CC(=O)Nc1ccc(O)cc1
Acetaminophen
2. CN1C=NC2=C1C(=O)N(C)C2=O
Caffeine
3. CCOC(=O)Nc1ccccc1
Ethenzamide
4. CC(C)C(=O)Nc1ccc(O)cc1
Apronalide

(S930422D)

Column : YMC-Pack ODS-A (5 μ m, 12nm)
150 \times 4.6 mm I.D.
Eluent : methanol/water (40/60)
Flow rate : 0.7 mL/min
Temperature : 30
Detection : UV at 220 nm, 0.51 AUFS
Injection : 5 μ L (0.2 ~ 2.0 mg/mL)

解熱鎮痛薬成分 Analgesics

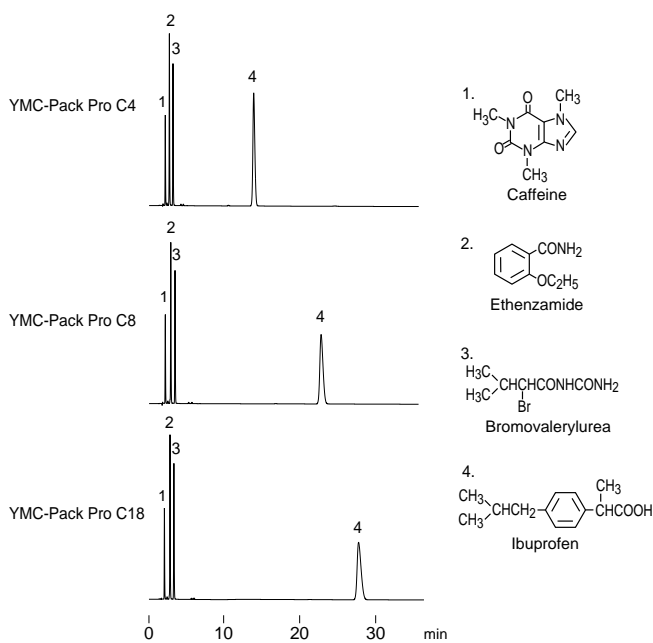


1. CC(=O)Nc1ccc(O)cc1
Acetaminophen
2. CN1C=NC2=C1C(=O)N(C)C2=O
Caffeine
3. CCOC(=O)Nc1ccccc1
Ethenzamide
4. CC(C)C(=O)Nc1ccc(O)cc1
Apronalide

(S930422G)

Column : YMC-Pack Cs (5 μ m, 12nm)
150 \times 4.6 mm I.D.
Eluent : methanol/water (40/60)
Flow rate : 0.7 mL/min
Temperature : 30
Detection : UV at 220 nm, 0.51 AUFS
Injection : 5 μ L (0.2 ~ 2.0 mg/mL)

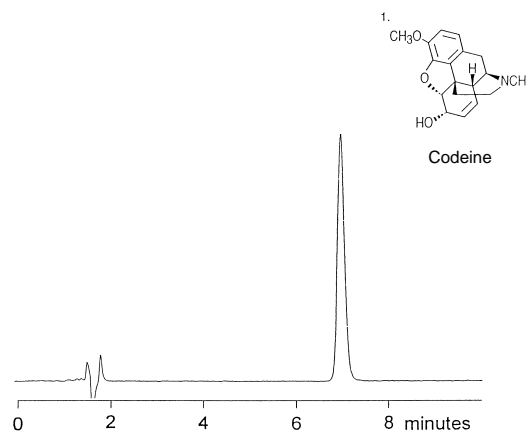
解熱鎮痛薬 Pain-killing drugs



(A001019B)

Column : YMC-Pack Pro C4, Pro C8 and Pro C18 (5 μ m, 12nm)
150 × 4.6 mm I.D.
Eluent : methanol/20mM H₃PO₄ (60/40)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.32 AUFS
Injection : 10 μ L (0.01 ~ 2.0 mg/mL)

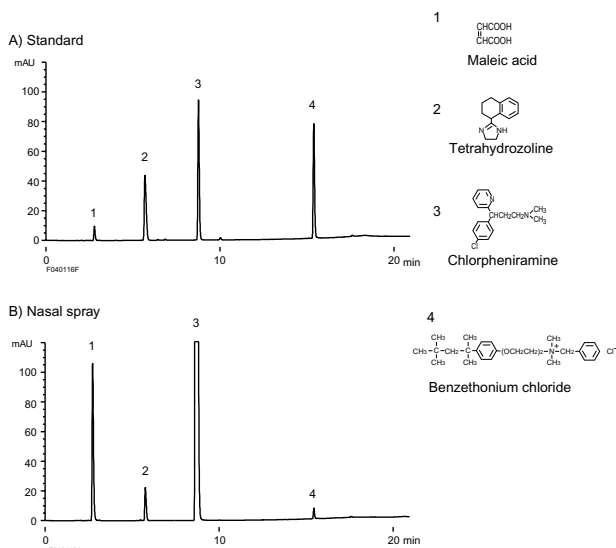
コデイン Codeine



(J010528A)

Column : YMC-Pack Pro C18 (5 μ m, 12nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile/0.05% TFA (10/90)
Flow rate : 1.5 mL/min
Detection : UV at 210 nm
Injection : 5 μ L (0.1 mg/mL)

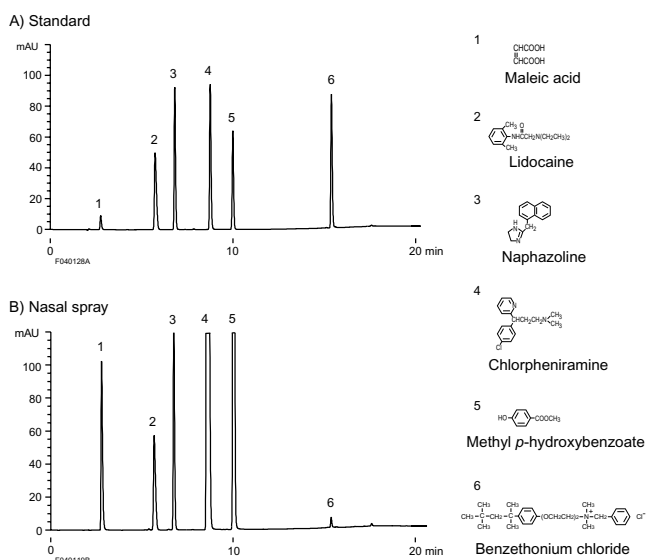
市販点鼻薬 A commercial nasal spray



(F040119A)

Column : YMC-Pack Pro C18 (5 μ m, 12nm)
150 × 4.6 mm I.D.
Eluent : A) 20mM KH₂PO₄-H₃PO₄ (pH 2.5)
B) methanol
20-90%B(0-15min), 90%B(15-20min)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm
Injection : A) 5 μ L (0.1 ~ 0.7 mg/mL)
B) 3 μ L (2 times dilution of a commercially available nasal spray with water)

市販点鼻薬 A commercial nasal spray

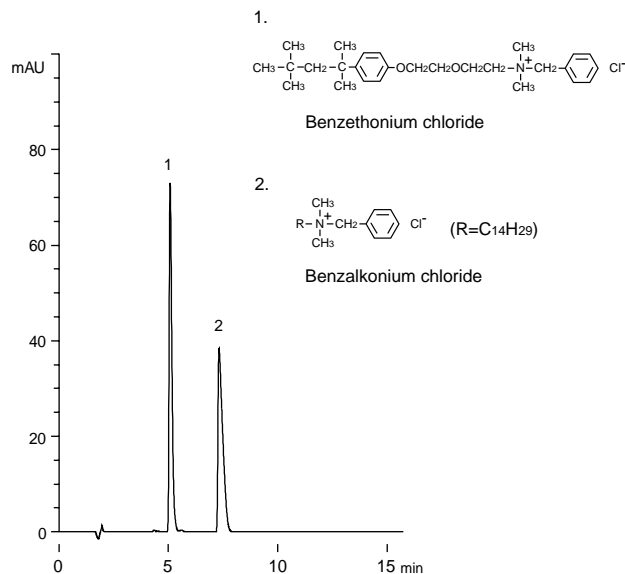


(F040119B)

Column : YMC-Pack Pro C18 (5 μ m, 12nm)
150 × 4.6 mm I.D.
Eluent : A) 20mM KH₂PO₄-H₃PO₄ (pH 2.5)
B) methanol
20-90%B(0-15min), 90%B(15-20min)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm
Injection : A) 5 μ L (0.1 ~ 0.7 mg/mL)
B) 3 μ L (2 times dilution of a commercially available nasal spray with water)

殺菌剤

Disinfectants

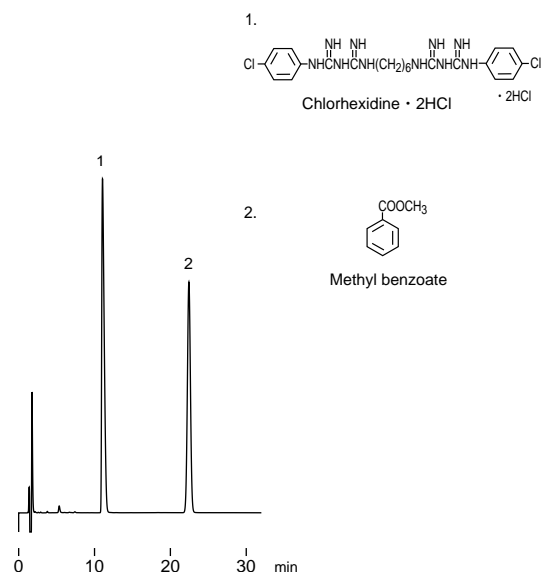


(F031208D)

Column : YMC-Pack Pro C18 (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 100mM NaClO₄/methanol (20/80)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm
Injection : 10 μL (0.5 ~ 1.0 mg/mL)

クロロヘキシジン

Chlorhexidine

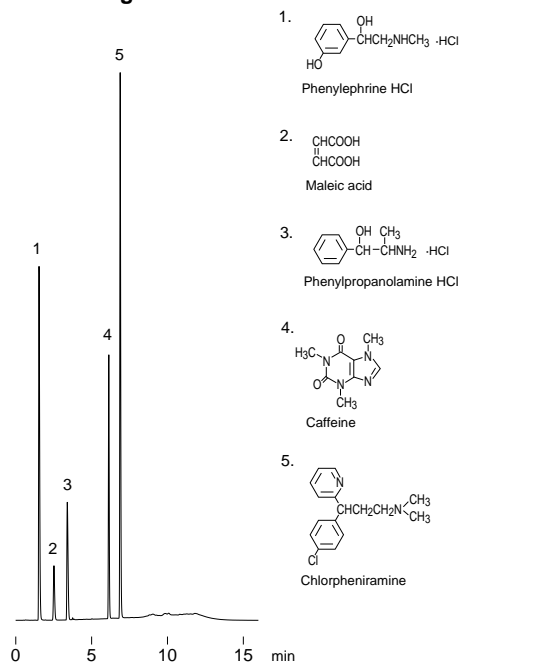


(N040206D)

Column : YMC-Pack Pro C18 RS (5 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile/water/TFA (30/70/0.1)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 220 nm, 0.32 AUFS
Injection : 10 μL (0.16 mg/mL, 0.1 μL/mL)

鼻炎薬成分

Ingredients in a drug for rhinitis

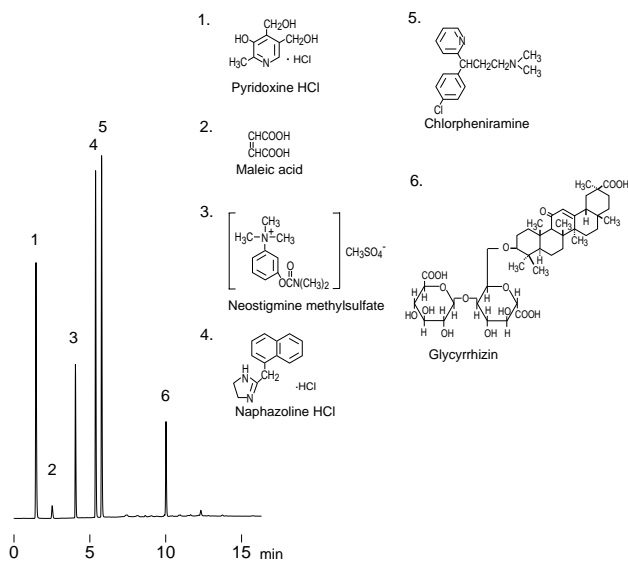


(J010418B)

Column : Hydrosphere C18 (3 μm, 12nm)
50 × 4.6 mm I.D.
Eluent : A)20mM KH₂PO₄ - H₃PO₄ (pH 2.5)
B)acetonitrile
0-40%B(0-10min)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.064 AUFS
Injection : 3 μL (0.02 ~ 0.5 mg/mL)

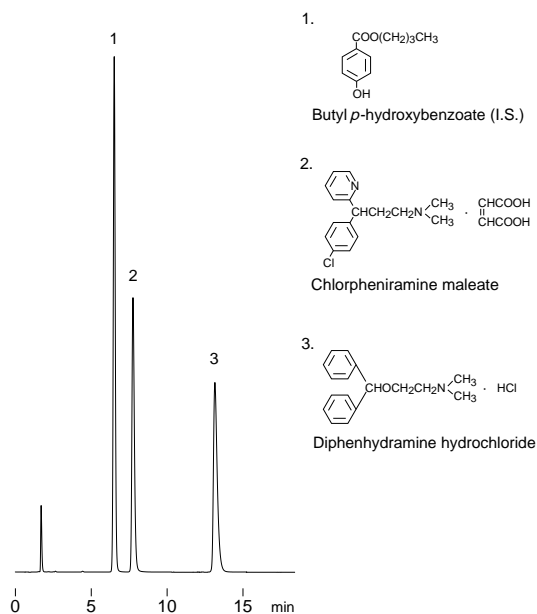
点眼剤成分

Ingredients in an eye drop



抗ヒスタミン薬

Histamine antagonists

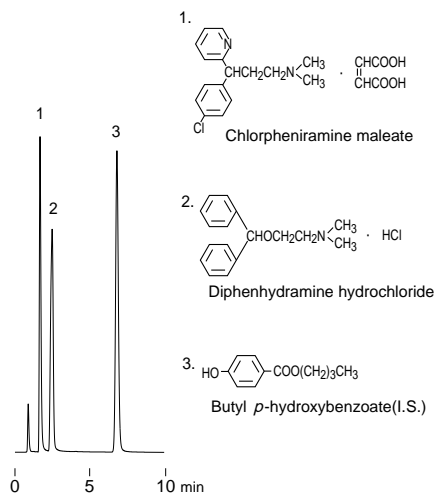


(J010619A)

Column : YMC-Pack Pro C18 (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 20mM KH₂PO₄ - K₂HPO₄ (pH 6.9) / methanol (35/65)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.13 AUFS
Injection : 5 μL (0.05 ~ 2.0 mg/mL)

抗ヒスタミン薬

Histamine antagonists

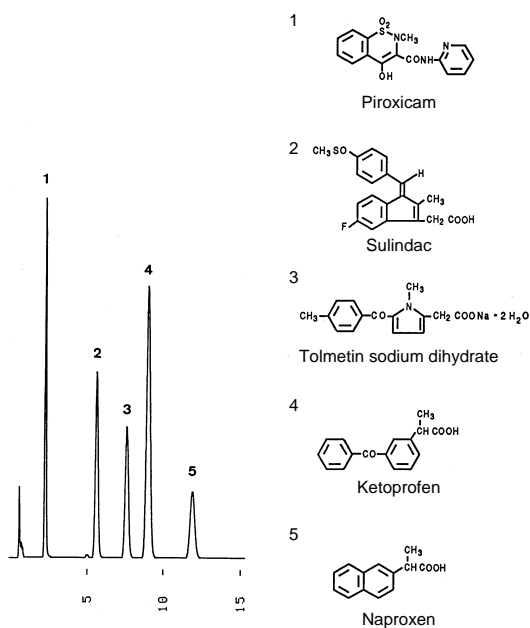


(A980723A)

Column : YMC-Pack Pro C18 (3 μm, 12nm)
75 × 2.0 mm I.D.
Eluent : acetonitrile / 50mM CH₃COONH₄ (40/60)
Flow rate : 0.2 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.16 AUFS
Injection : 2 μL (0.05 ~ 2.0 mg/mL)

酸性非ステロイド性抗炎症薬

Acidic non-steroidal anti-inflammatory drugs

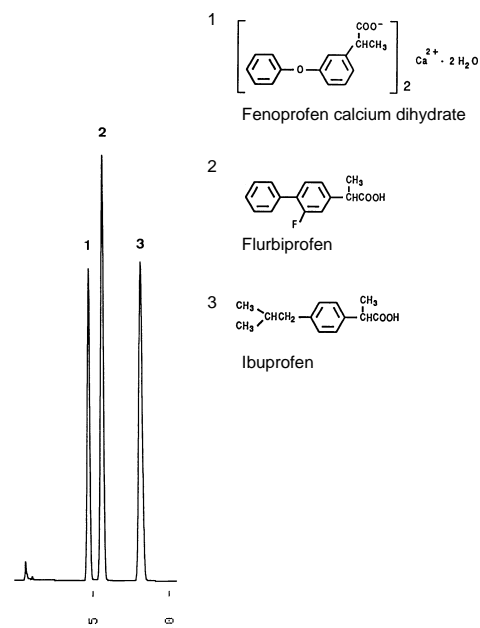


(O950124A)

Column : J'sphere ODS-H80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : 2-propanol/water/acetic acid (25/75/1)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.04 AUFS
Injection : 5 μL (20 μg/mL)

酸性非ステロイド性抗炎症薬

Acidic non-steroidal anti-inflammatory drugs

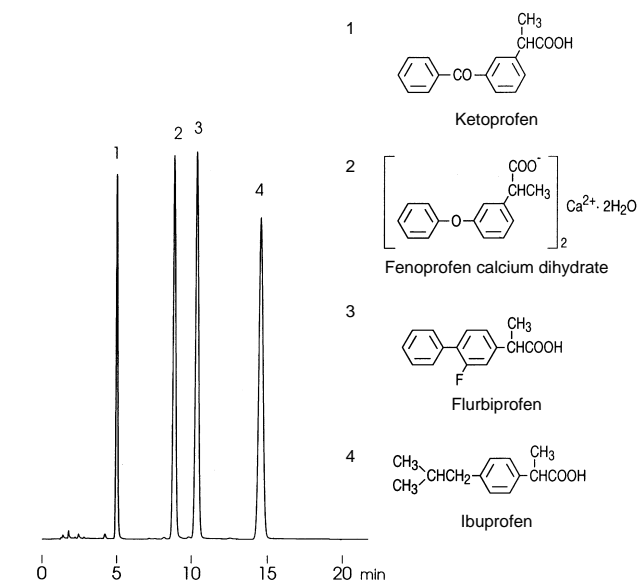


(O950125C)

Column : J'sphere ODS-H80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : methanol/water/acetic acid (65/35/1)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.04 AUFS
Injection : 7 μL (160, 16, 820 μg/mL)

酸性非ステロイド性抗炎症薬

Acidic non-steroidal anti-inflammatory drugs

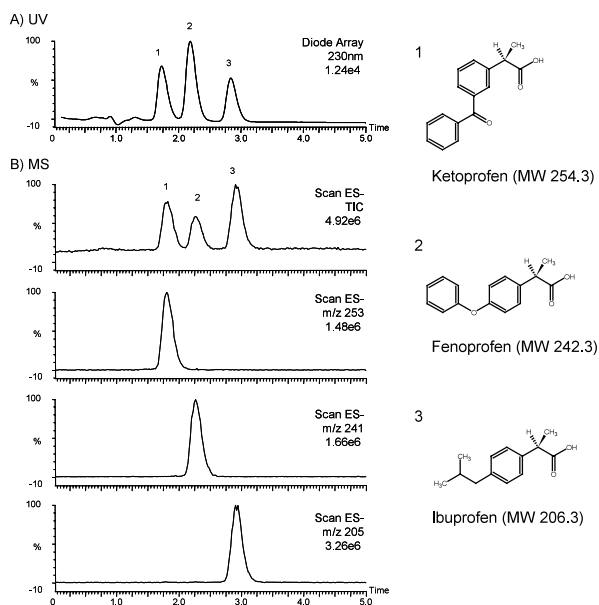


(A970321A)

Column : YMC-Pack ODS-A (5 μ m, 12nm)
150 \times 4.6 mm I.D.
Eluent : methanol/water/acetic acid (65/35/1)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.032 AUFS
Injection : 7 μ L (6 ~ 820 μ g/mL)

酸性非ステロイド性解熱鎮痛抗炎症薬 - LC/MS

Acidic non-steroidal anti-inflammatory drugs - LC/MS

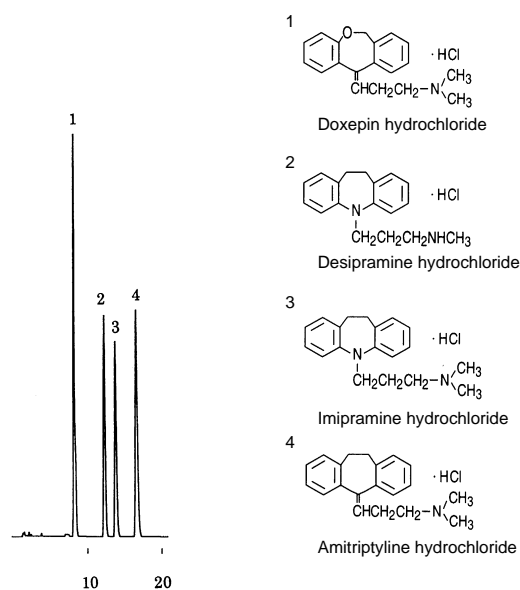


(J040722B)

Column : YMC-Pack Pro C18 (3 μ m, 12nm)
50 \times 2.0 mm I.D.
Eluent : methanol/water/ CH_3COOH (75/25/0.05)
Flow rate : 0.2 mL/min
Temperature : 37
Detection : A) UV at 230 nm
B) ESI negative-mode
Injection : 1 μ L (50 μ g/mL)

三環系抗うつ薬

Tricyclic antidepressants

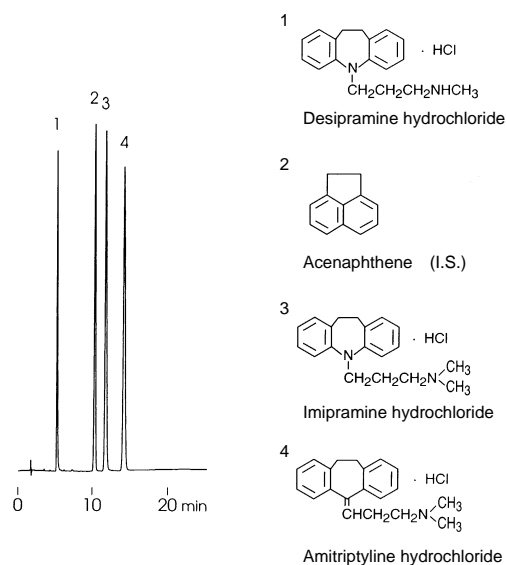


(D960724A)

Column : YMC-Pack Pro C18 (5 μ m, 12nm)
150 \times 4.6 mm I.D.
Eluent : acetonitrile/50mM $\text{NH}_4\text{H}_2\text{PO}_4$ (30/70)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 215 nm, 0.13 AUFS
Injection : 2 μ L (0.125 mg/mL)

三環系抗うつ薬

Tricyclic antidepressants

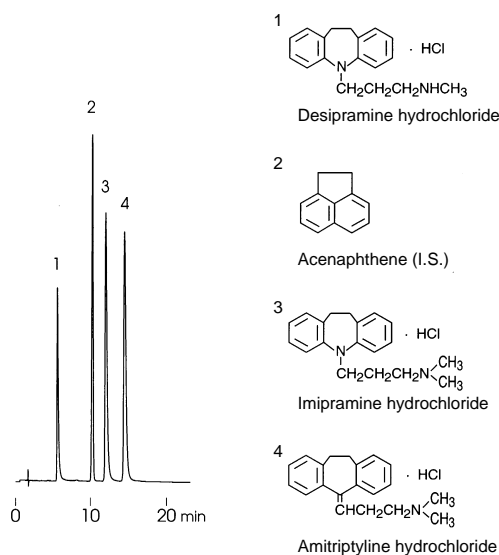


(A961015G)

Column : YMC-Pack Pro C18 (5 μ m, 12nm)
150 \times 4.6 mm I.D.
Eluent : 20mM KH_2PO_4 - K_2HPO_4 (pH 6.9)/methanol (25/75)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.16 AUFS
Injection : 5 μ L (0.1 ~ 0.5 mg/mL)

三環系抗うつ薬

Tricyclic antidepressants

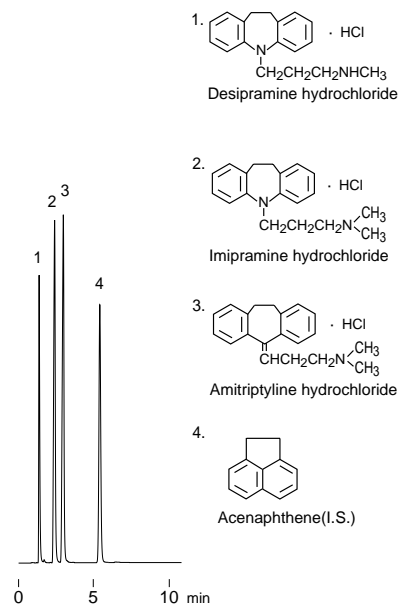


(A961016B)

Column : YMC-Pack ODS-AM (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 20mM KH₂PO₄ - K₂HPO₄ (pH 6.9)/methanol (25/75)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.16 AUFS
Injection : 5 μL (0.1 ~ 0.5 mg/mL)

三環系抗うつ薬

Tricyclic antidepressants

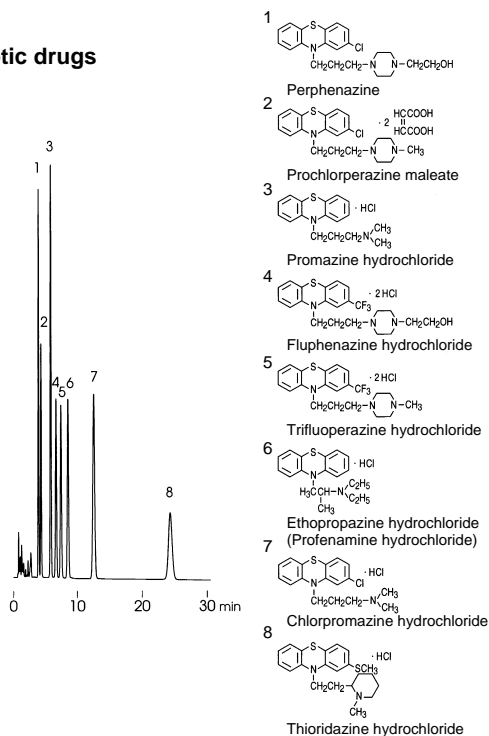


(A980827E)

Column : YMC-Pack Pro C18 (3 μm, 12nm)
75 × 4.6 mm I.D.
Eluent : methanol / 20mM CH₃COONH₄ (75/25)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.32 AUFS
Injection : 5 μL (0.1 ~ 0.5 mg/mL)

抗精神病薬

Antipsychotic drugs

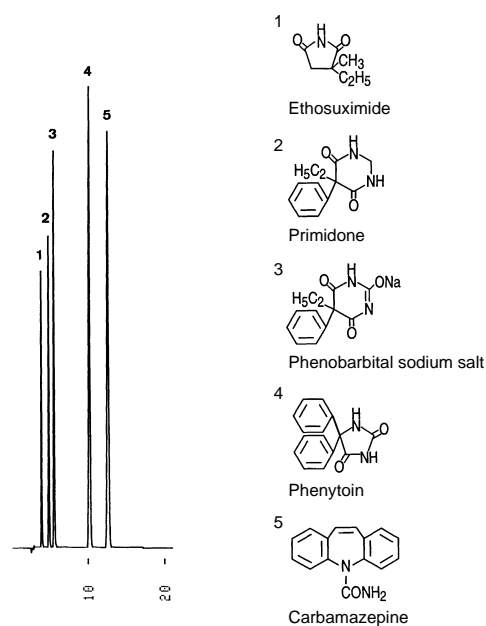


(O950627B)

Column : J'sphere ODS-H80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : acetonitrile/water/TFA (30/70/0.1)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.064 AUFS
Injection : 5 μL (0.02 mg/mL)

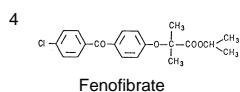
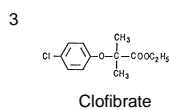
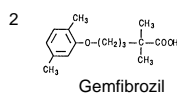
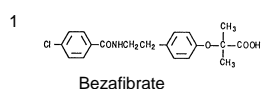
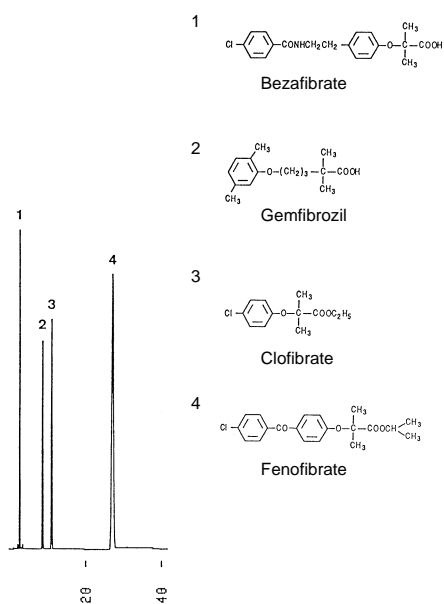
抗てんかん薬

Antiepileptics



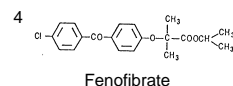
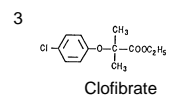
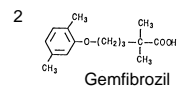
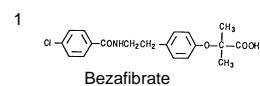
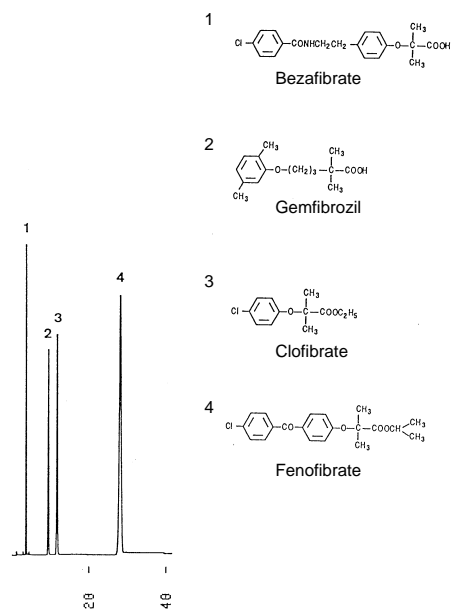
(S960723A)

Column : YMC-Pack Pro C18 (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 50mM NH₄H₂PO₄ - (NH₄)₂HPO₄ (pH 6.7)/methanol (50/50)
Flow rate : 0.7 mL/min
Temperature : 37
Detection : UV at 215 nm, 0.32 AUFS
Injection : 8 μL (0.035 ~ 0.7 mg/mL)

抗高脂血症剤
Hypolipidemic drugs


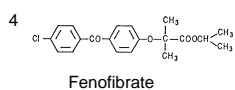
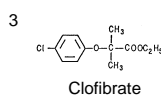
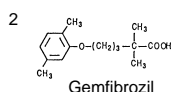
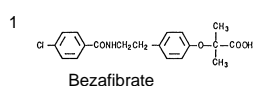
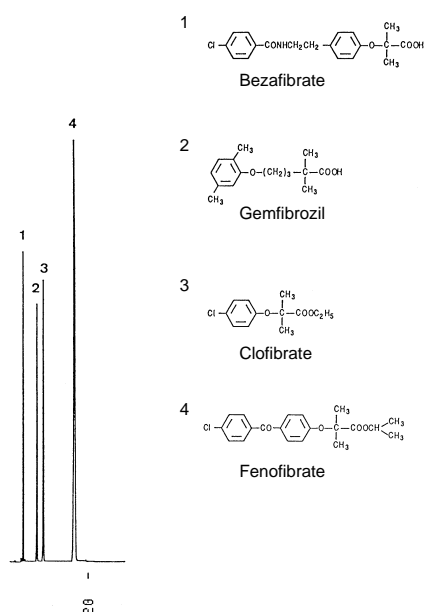
(S930706E)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
 150 × 4.6 mm I.D.
 Eluent : acetonitrile/water/acetic acid (60/40/1)
 Flow rate : 1.0 mL/min
 Temperature : 30
 Detection : UV at 275 nm, 0.064 AUFS
 Injection : 8 μ L (0.05 ~ 0.25 mg/mL)

抗高脂血症剤
Hypolipidemic drugs


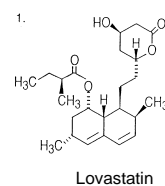
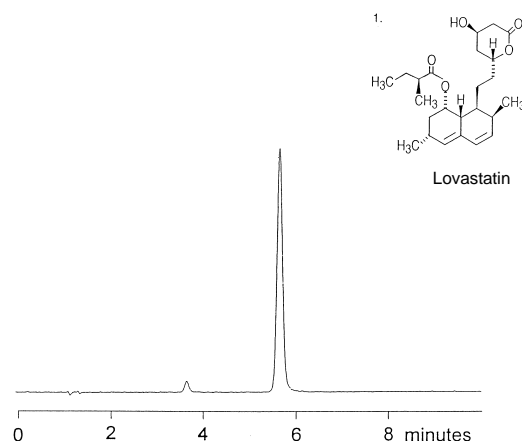
(S930706C)

Column : J'sphere ODS-M80 (4 μ m, 8nm)
 150 × 4.6 mm I.D.
 Eluent : acetonitrile/water/acetic acid (60/40/1)
 Flow rate : 1.0 mL/min
 Temperature : 30
 Detection : UV at 275 nm, 0.064 AUFS
 Injection : 8 μ L (0.05 ~ 0.25 mg/mL)

抗高脂血症剤
Hypolipidemic drugs


(S930706B)

Column : J'sphere ODS-L80 (4 μ m, 8nm)
 150 × 4.6 mm I.D.
 Eluent : acetonitrile/water/acetic acid (60/40/1)
 Flow rate : 1.0 mL/min
 Temperature : 30
 Detection : UV at 275 nm, 0.064 AUFS
 Injection : 8 μ L (0.05 ~ 0.25 mg/mL)

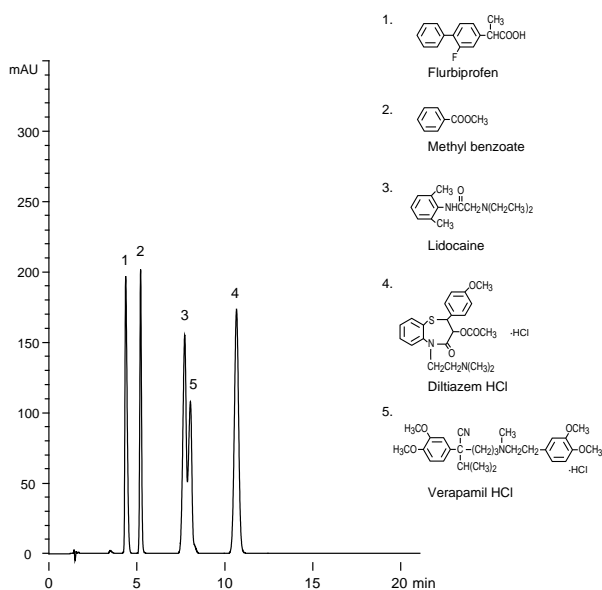
ロバスタチン
Lovastatin


(J010528B)

Column : YMC-Pack Pro C18 (5 μ m, 12nm)
 150 × 4.6 mm I.D.
 Eluent : acetonitrile/0.05% formic acid (30/70)
 Flow rate : 1.5 mL/min
 Detection : UV at 240 nm
 Injection : 5 μ L (0.1 mg/mL)

酸性および塩基性医薬品(pH 6.8)

Acidic and basic drugs (pH 6.8)

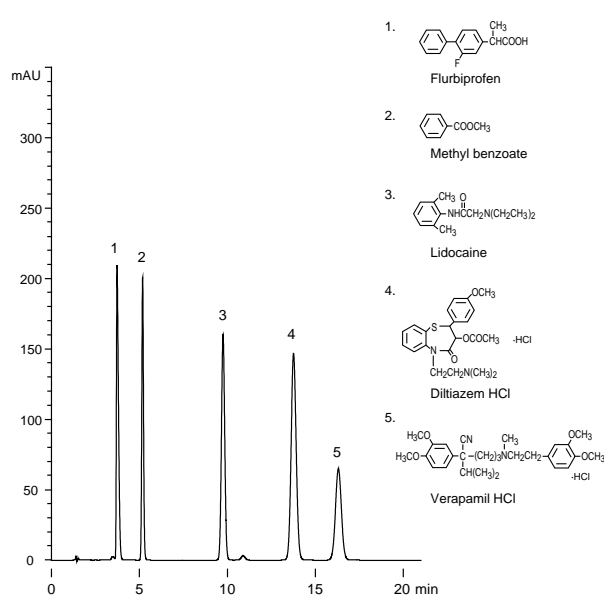


(F040714E)

Column : YMC-Pack Pro C18 RS (5 μ m, 8nm)
150 \times 4.6 mm I.D.
Eluent : 20mM CH₃COONH₄/methanol (35/65)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 220 nm
Injection : 10 μ L (0.04 ~ 100 μ g/mL)

酸性および塩基性医薬品(pH 8.8)

Acidic and basic drugs (pH 8.8)

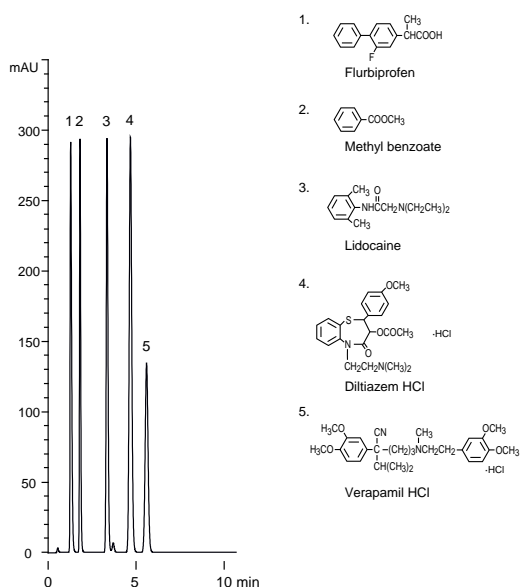


(F040714C)

Column : YMC-Pack Pro C18 RS (5 μ m, 8nm)
150 \times 4.6 mm I.D.
Eluent : 20mM CH₃COONH₄-NH₃(pH 8.8)/methanol (35/65)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 220 nm
Injection : 10 μ L (0.04 ~ 100 μ g/mL)

酸性および塩基性医薬品(pH 8.8)

Acidic and basic drugs (pH 8.8)

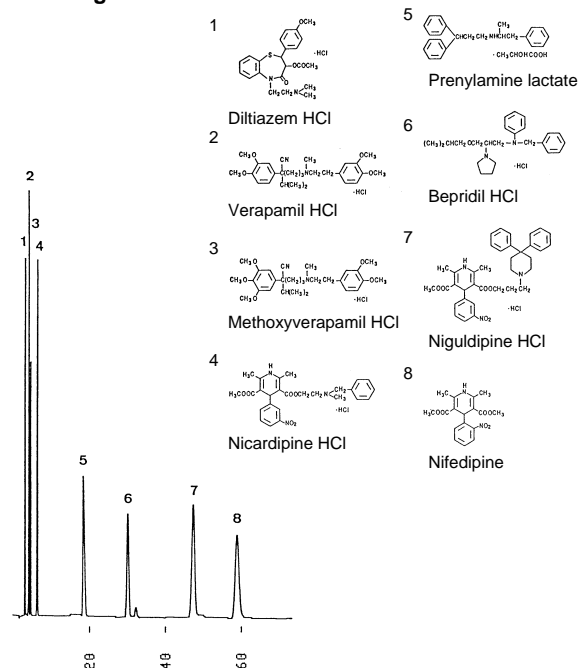


(F040714D)

Column : YMC-Pack Pro C18 RS (3 μ m, 8nm)
50 \times 4.6 mm I.D.
Eluent : 20mM CH₃COONH₄-NH₃(pH 8.8)/methanol (35/65)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 220 nm
Injection : 10 μ L (0.04 ~ 100 μ g/mL)

カルシウム拮抗薬

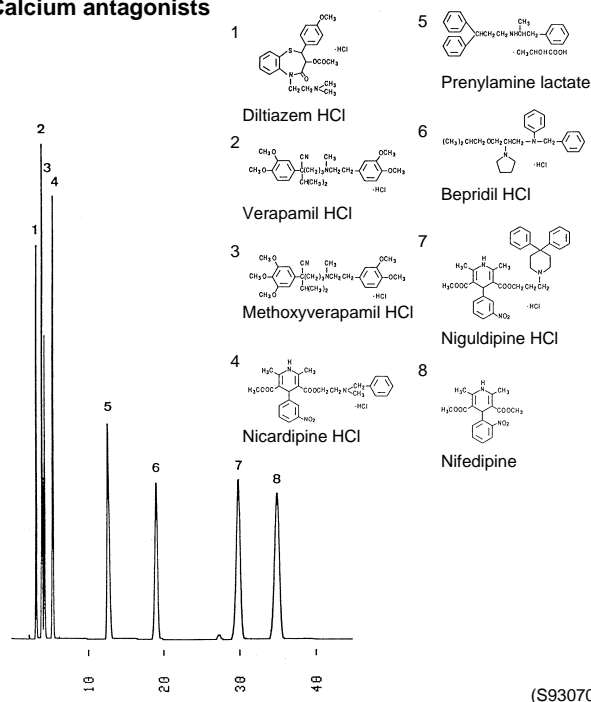
Calcium antagonists



(S930702C)

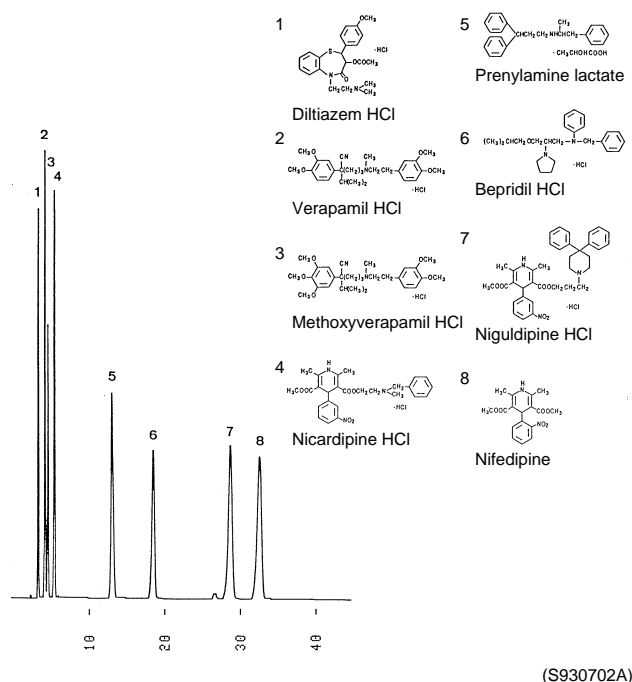
Column : J'sphere ODS-H80 (4 μ m, 8nm)
150 \times 4.6 mm I.D.
Eluent : 20mM KH₂PO₄ - H₃PO₄ (pH 3.0)/acetonitrile/THF/TBA \cdot Br
(75/15/10/0.5, v/v/v/w)
Flow rate : 0.8 mL/min
Temperature : 30
Detection : UV at 270 nm, 0.064 AUFS
Injection : 8 μ L (0.05 ~ 1.4 mg/mL)

カルシウム拮抗薬 Calcium antagonists



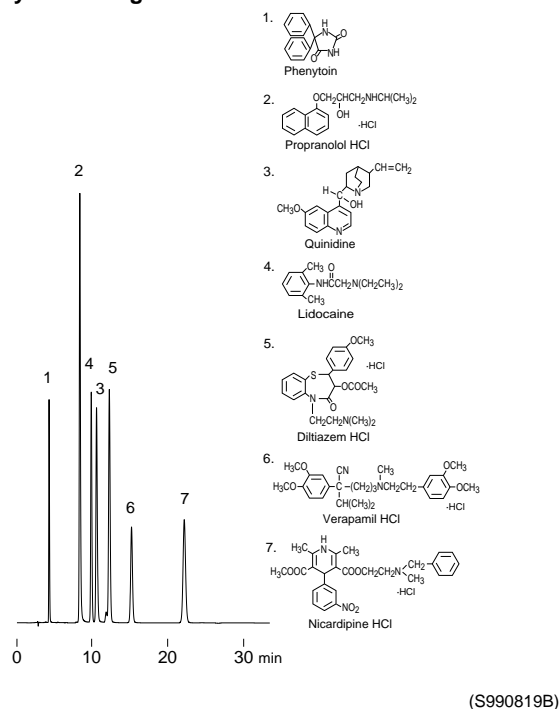
Column : J'sphere ODS-M80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : 20mM KH₂PO₄ - H₃PO₄ (pH 3.0)/acetonitrile/THF/TBA·Br
(70/20/10/0.35, v/v/v/w)
Flow rate : 0.8 mL/min
Temperature : 30
Detection : UV at 270 nm, 0.064 AUFS
Injection : 8 μL (0.05 ~ 1.4 mg/mL)

カルシウム拮抗薬 Calcium antagonists



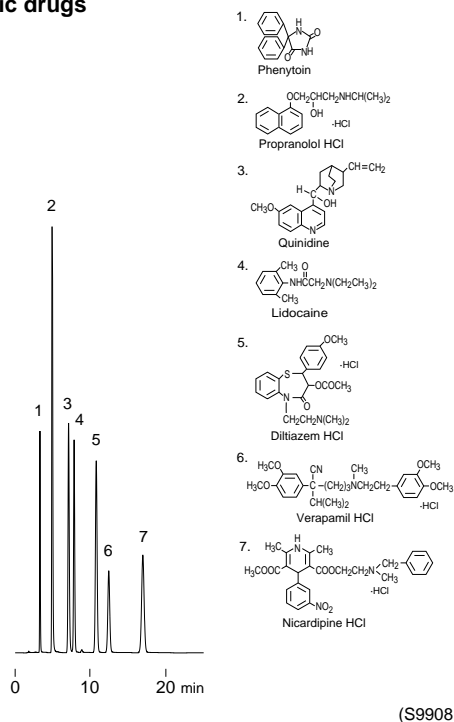
Column : J'sphere ODS-L80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : 20mM KH₂PO₄ - H₃PO₄ (pH 3.0)/acetonitrile/THF/TBA·Br
(70/20/10/0.35, v/v/v/w)
Flow rate : 0.8 mL/min
Temperature : 30
Detection : UV at 270 nm, 0.064 AUFS
Injection : 8 μL (0.05 ~ 1.4 mg/mL)

不整脈治療薬 Antiarrhythmic drugs



Column : YMC-Pack Pro C18 (5 μm, 12nm)
250 × 4.6 mm I.D.
Eluent : 20mM KH₂PO₄ - K₂HPO₄ (pH 6.9) / methanol (30/70)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 220 nm, 0.26 AUFS
Injection : 5 μL (0.05 ~ 0.1 mg/mL)

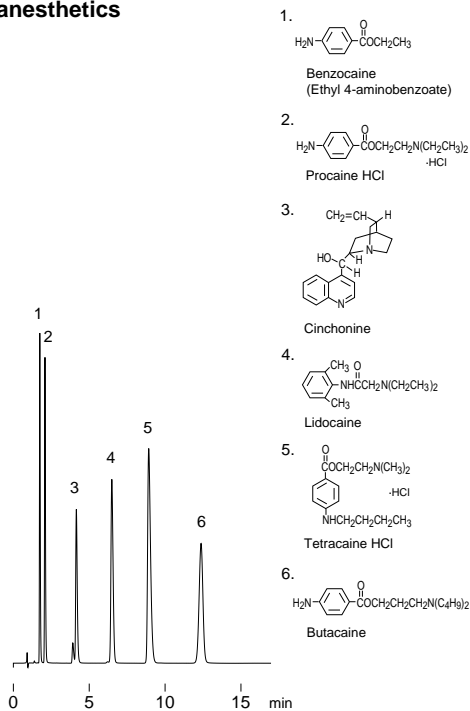
不整脈治療薬 Antiarrhythmic drugs



Column : YMC-Pack Pro C4 (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 20mM KH₂PO₄ - K₂HPO₄ (pH 6.9) / methanol (40/60)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 220 nm, 0.26 AUFS
Injection : 5 μL (0.05 ~ 0.1 mg/mL)

局所麻酔薬

Local anesthetics

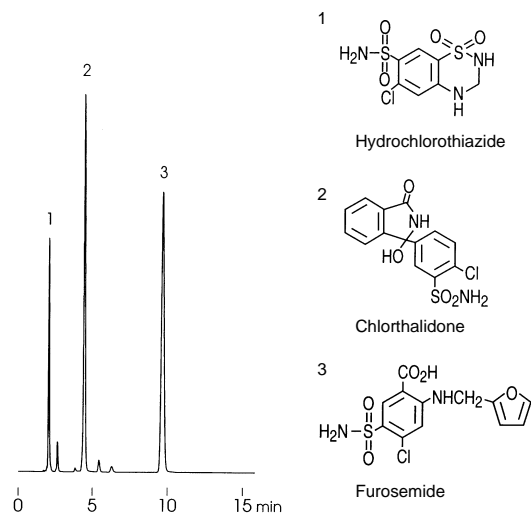


(J010302E)

Column : Hydrosphere C18 (3 μm, 12nm)
75 × 4.6 mm I.D.
Eluent : 20mM KH₂PO₄ - K₂HPO₄ (pH 6.9) / methanol (40/60)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.16 AUFS
Injection : 10 μL (0.02 ~ 0.5 mg/mL)

利尿薬

Diuretics

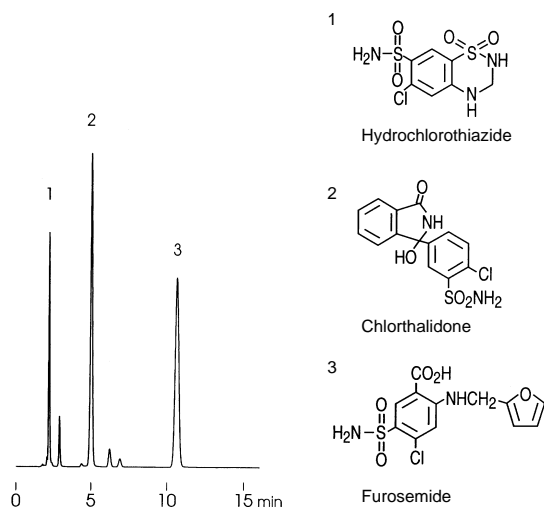


(A970425C)

Column : YMC-Pack Pro C18 (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 20mM NH₄H₂PO₄ - H₃PO₄ (pH 3.2)/methanol (60/40)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 280 nm, 0.16 AUFS
Injection : 15 μL (0.015 ~ 0.2 mg/mL)

利尿薬

Diuretics

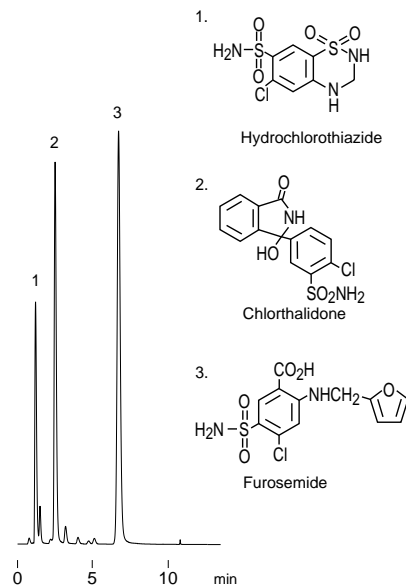


(A970426D)

Column : YMC-Pack ODS-AQ (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 20mM NH₄H₂PO₄ - H₃PO₄ (pH 3.2)/methanol (60/40)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 280 nm, 0.16 AUFS
Injection : 15 μL (0.015 ~ 0.2 mg/mL)

利尿薬

Diuretics

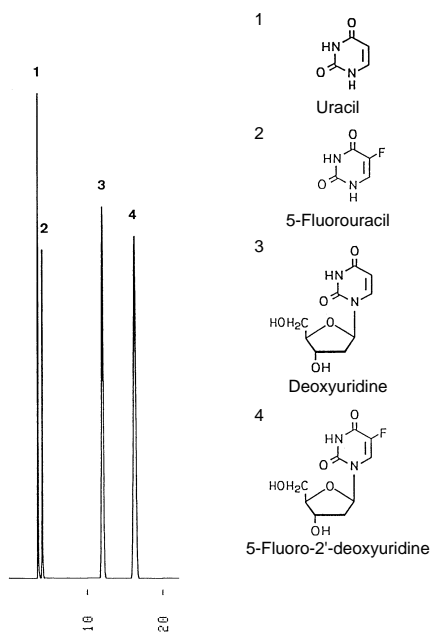


(A980716A)

Column : YMC-Pack Pro C18 (3 μm, 12nm)
75 × 2.0 mm I.D.
Eluent : methanol / 1% acetic acid (40/60)
Flow rate : 0.2 mL/min
Temperature : 37
Detection : UV at 280 nm, 0.08 AUFS
Injection : 3 μL (0.015 ~ 0.2 mg/mL)

制がん剤および関連化合物

Antineoplastic and related compounds

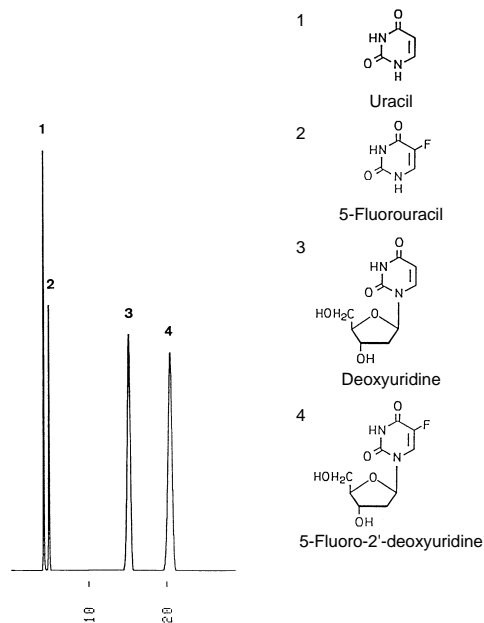


(T920924E)

Column : YMC-Pack ODS-A (5 μ m, 12nm)
150 × 4.6 mm I.D.
Eluent : 10mM NH₄H₂PO₄
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.16 AUFS
Injection : 10 μ L (0.025 ~ 0.2 mg/mL)

制がん剤および関連化合物

Antineoplastic and related compounds

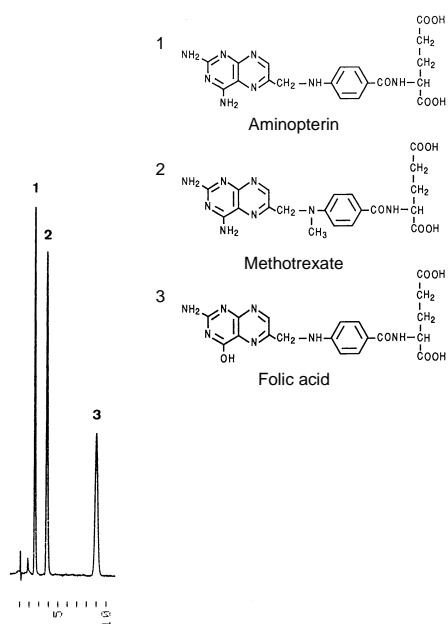


(T920924G)

Column : YMC-Pack ODS-AQ (5 μ m, 12nm)
150 × 4.6 mm I.D.
Eluent : 10mM NH₄H₂PO₄
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.16 AUFS
Injection : 10 μ L (0.025 ~ 0.2 mg/mL)

葉酸及び葉酸拮抗物質

Folic acid and its antagonists

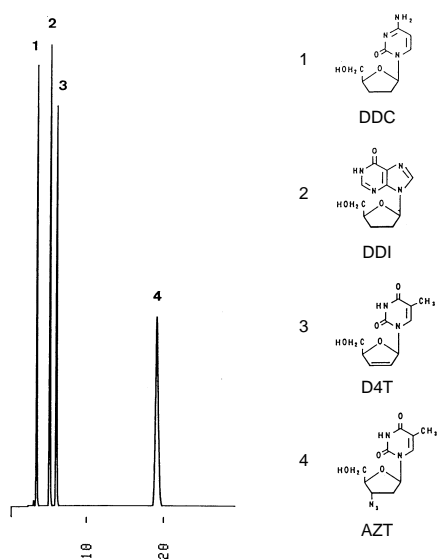


(O950411B)

Column : J'sphere ODS-M80 (4 μ m, 8nm)
75 × 4.6 mm I.D.
Eluent : methanol/water/acetic acid (20/80/1)
Flow rate : 1.0 mL/min
Temperature : ambient(25)
Detection : UV at 300 nm, 0.04 AUFS
Injection : 5 μ L (16 μ g/mL)

抗H I Vヌクレオシド誘導体

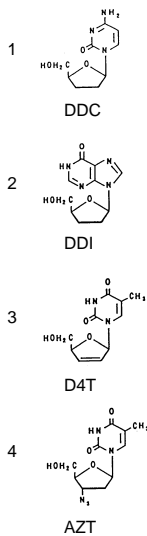
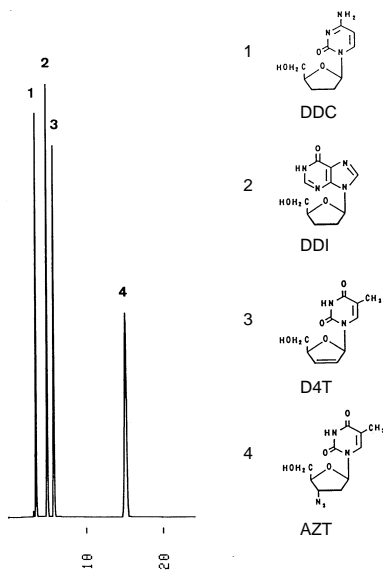
Anti-human immunodeficiency virus (HIV) agents



(K930311C)

Column : YMC-Pack ODS-A (5 μ m, 12nm)
150 × 4.6 mm I.D.
Eluent : methanol/10mM KH₂PO₄ (10/60)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.16 AUFS
Injection : 7 μ L (0.125 mg/mL)

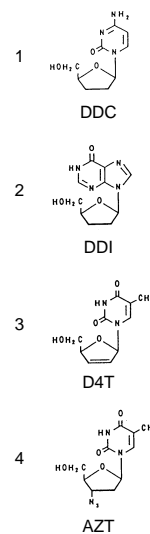
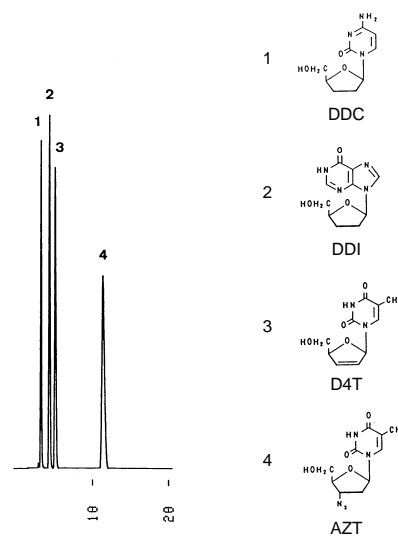
抗HIVヌクレオシド誘導体 Anti-human immunodeficiency virus (HIV) agents



(K930311A)

Column : YMC-Pack C₈ (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : methanol/10mM KH₂PO₄ (10/60)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.16 AUFS
Injection : 7 μL (0.125 mg/mL)

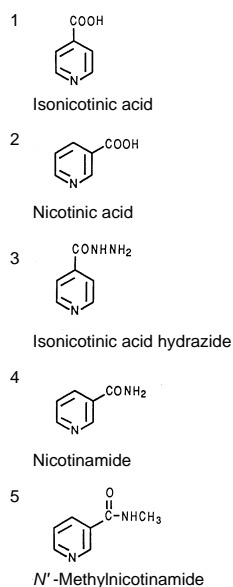
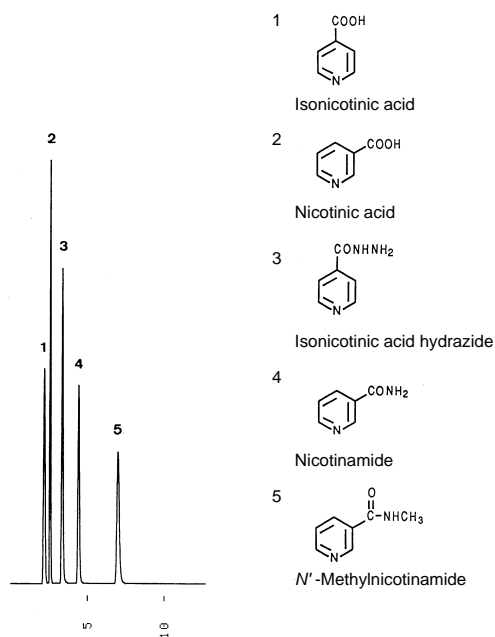
抗HIVヌクレオシド誘導体 Anti-human immunodeficiency virus (HIV) agents



(K930311F)

Column : YMC-Pack C₈ (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : methanol/10mM KH₂PO₄ (10/60)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.16 AUFS
Injection : 7 μL (0.125 mg/mL)

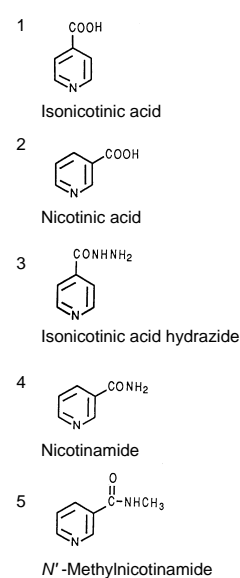
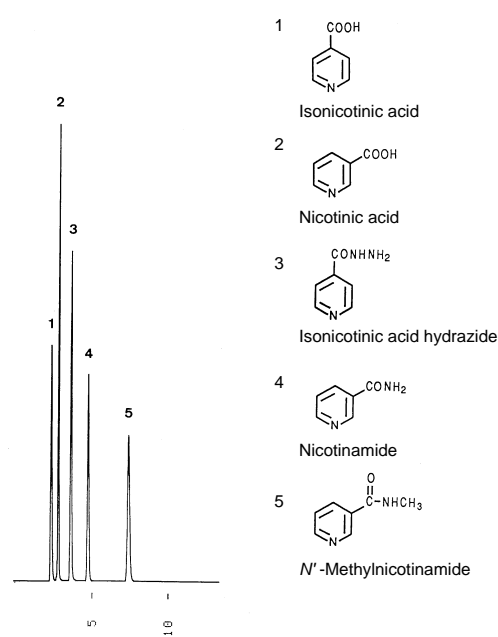
ニコチン酸構造類縁体 Nicotinic acid analogues



(K940125I)

Column : YMC-Pack ODS-A (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile/20mM KH₂PO₄ (5/95)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 260 nm, 0.64 AUFS
Injection : 13 μL (0.2 mg/mL)

ニコチン酸構造類縁体 Nicotinic acid analogues

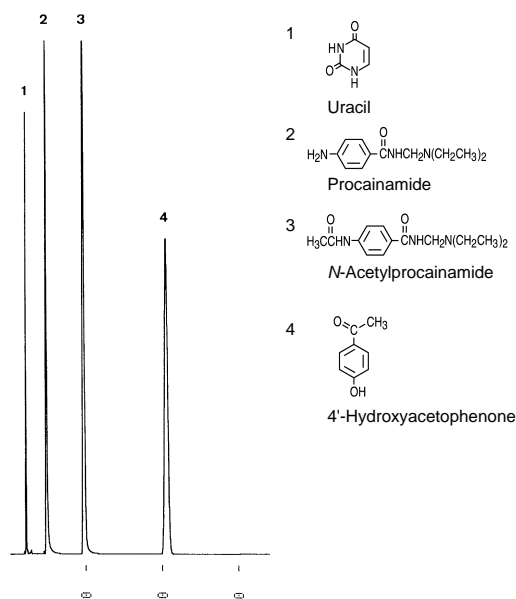


(K940125K)

Column : YMC-Pack C₈ (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile/20mM KH₂PO₄ (5/95)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 260 nm, 0.64 AUFS
Injection : 13 μL (0.2 mg/mL)

塩基性化合物

Basic compounds

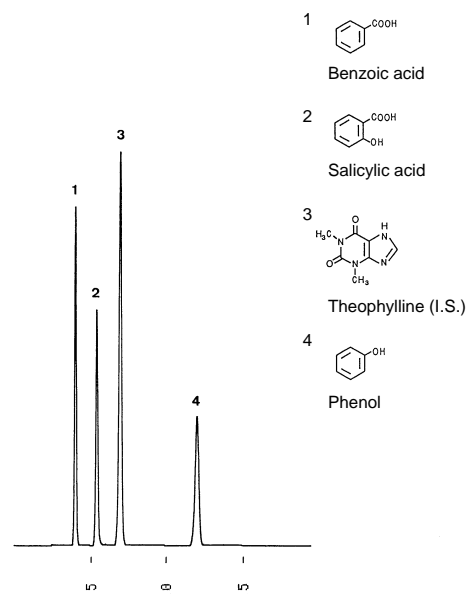


(T931217C)

Column : YMC-Pack ODS-AM (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 20mM K₂HPO₄ - KH₂PO₄ (pH 6.9)/acetonitrile (92/8)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.32 AUFS
Injection : 10 μL (30 ~ 300 μg/mL)

殺菌薬

Disinfectants



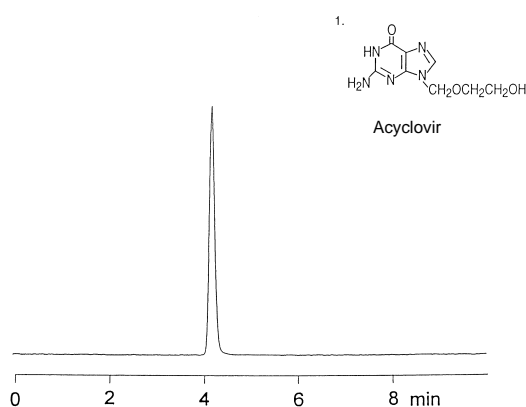
(S930617D)

Column : YMC-Pack ODS-AL (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 100mM KH₂PO₄ - Na₂HPO₄ (pH 7.0)/methanol (75/25)
Flow rate : 0.8 mL/min
Temperature : 30
Detection : UV at 270 nm, 0.13 AUFS
Injection : 3 μL (0.1 ~ 0.8 mg/mL)

日本薬局方第12改正記載条件

アシクロビル

Acyclovir

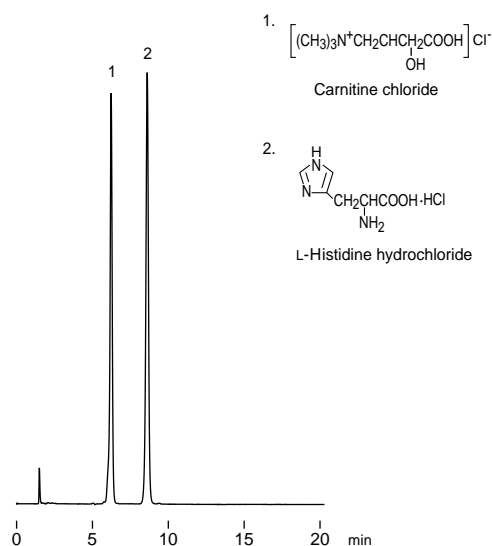


(J010528C)

Column : YMC-Pack Pro C18 (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile / 0.05% formic acid (3 / 97)
Flow rate : 1.5 mL/min
Detection : UV at 254 nm
Injection : 5 μL (0.1 mg/mL)

塩化カルニチン

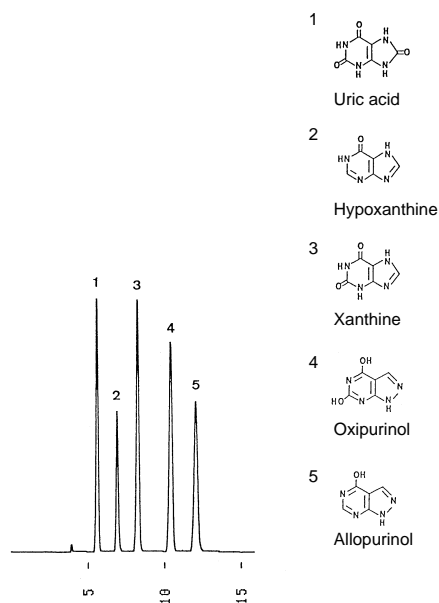
Carnitine chloride



(F000629A)

Column : Hydrosphere C18 (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 50mM NaH₂PO₄-H₃PO₄ (pH2.6)
containing 15mM 1-pentanesulfonic acid sodium salt
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 210 nm, 0.064 AUFS
Injection : 4 μL (0.2 ~ 20 mg/mL)

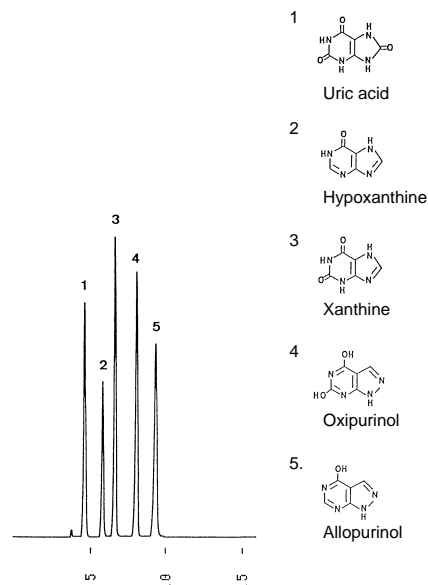
キサンチンオキシダーゼ阻害剤および関連化合物 Xanthine oxidase inhibitor and related compounds



(S930728J)

Column : J'sphere ODS-M80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : 50mM NH₄H₂PO₄
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.51 AUFS
Injection : 8 μL (0.05 ~ 0.2 mg/mL)

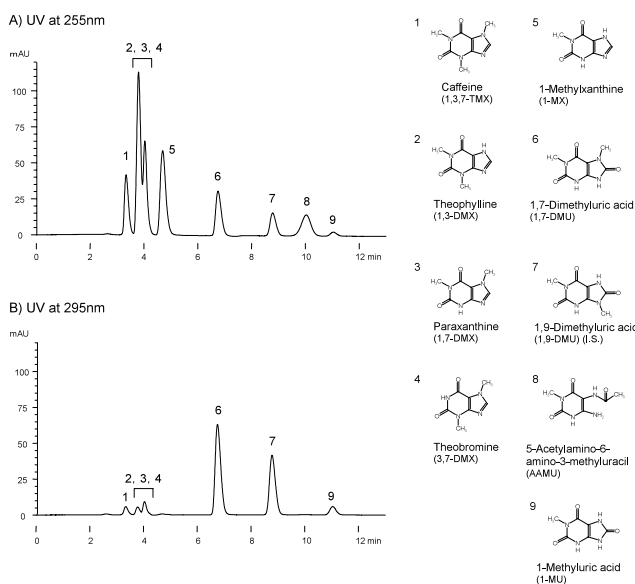
キサンチンオキシダーゼ阻害剤および関連化合物 Xanthine oxidase inhibitor and related compounds



(S930729B)

Column : J'sphere ODS-L80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : 50mM NH₄H₂PO₄
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.51 AUFS
Injection : 8 μL (0.05 ~ 0.2 mg/mL)

カフェイン代謝物 Caffeine metabolites

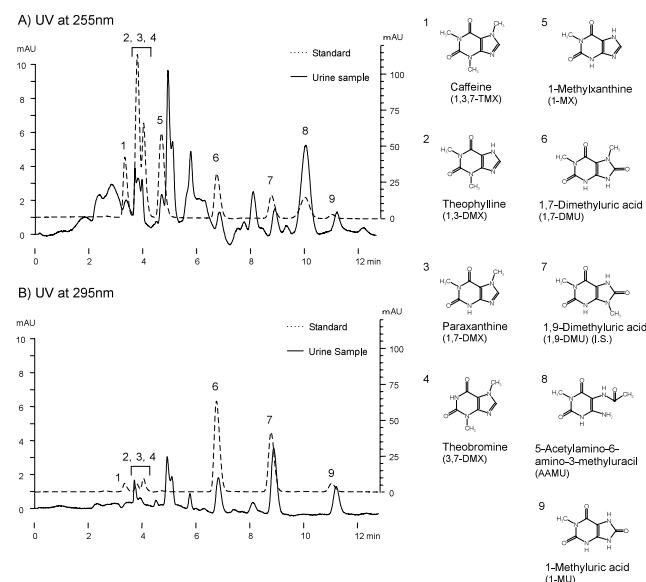


Courtesy of Takashi FURUTA, Ph.D., Tokyo University of Pharmacy and Life science

(F041213A)

Column : YMC-Pack Polyamine II
250 × 4.6 mm I.D.
Eluent : acetonitrile/0.75% formic acid (4/1)
Flow rate : 1.0 mL/min
Temperature : ambient
Detection : A) UV at 255 nm, B) UV at 295nm
Injection : 10 μL

尿中のカフェイン代謝物 Caffeine metabolites in human urine



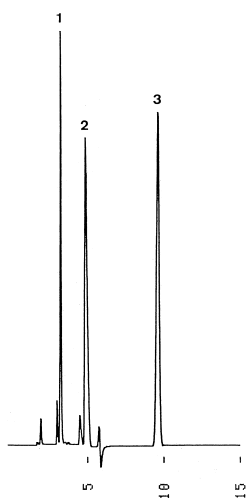
Courtesy of Takashi FURUTA, Ph.D., Tokyo University of Pharmacy and Life science

(F041213B)

Column : YMC-Pack Polyamine II
250 × 4.6 mm I.D.
Eluent : acetonitrile/0.75% formic acid (4/1)
Flow rate : 1.0 mL/min
Temperature : ambient
Detection : A) UV at 255 nm, B) UV at 295nm
Injection : Standard 10 μL
Urine sample 10 μL

プリン代謝物
Purine catabolites

1. Allantoin
2. Allantoic acid
3. Uric acid

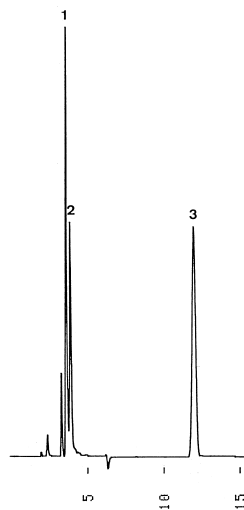


(G910607G)

Column : YMC-Pack ODS-AM (5 μm, 12nm)
 150 × 6.0 mm I.D.
 Eluent : 10mM CH₃COOH
 Flow rate : 1.0 mL/min
 Temperature : 30
 Detection : UV at 200 nm, 0.16 AUFS
 Injection : 4 μL (0.10 ~ 0.71 mg/mL)

プリン代謝物
Purine catabolites

1. Allantoin
2. Allantoic acid
3. Uric acid

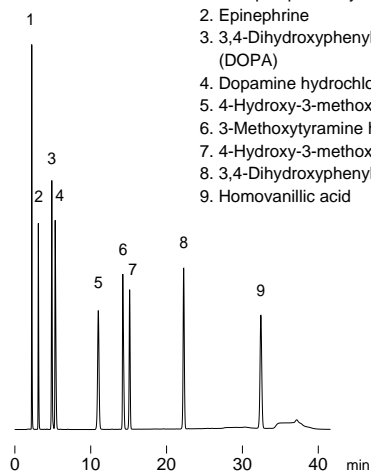


(G910618A)

Column : YMC-Pack ODS-AQ (5 μm, 12nm)
 150 × 6.0 mm I.D.
 Eluent : 10mM CH₃COOH
 Flow rate : 1.0 mL/min
 Temperature : 30
 Detection : UV at 200 nm, 0.16 AUFS
 Injection : 4 μL (0.10 ~ 0.71 mg/mL)

カテコールアミン
Catecholamines

1. Norepinephrine hydrochloride
2. Epinephrine
3. 3,4-Dihydroxyphenylalanine (DOPA)
4. Dopamine hydrochloride
5. 4-Hydroxy-3-methoxymandelic acid
6. 3-Methoxytyramine hydrochloride
7. 4-Hydroxy-3-methoxyphenylglycol
8. 3,4-Dihydroxyphenylacetic acid
9. Homovanillic acid

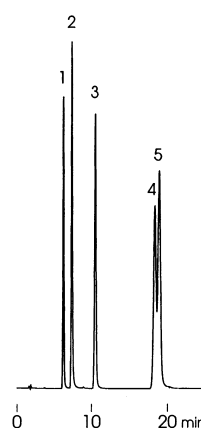


(F000817A)

Column : Hydrosphere C18 (5 μm, 12nm)
 150 × 4.6 mm I.D.
 Eluent : A) 50mM KH₂PO₄-H₃PO₄ (pH 3.1)
 B) 50mM KH₂PO₄-H₃PO₄ (pH 3.1)/acetonitrile (90/10)
 0%B (0-5min), 0-100%B (5-25min, linear), 100%B (25-35min)
 Flow rate : 1.0 mL/min
 Temperature : 30
 Detection : UV at 280 nm, 0.64 AUFS
 Injection : 10 μL (0.15 ~ 0.25 mg/mL)

馬尿酸類
Hippuric and methylhippuric acids

- 1 OC(O)C(=O)c1ccccc1
Mandelic acid
- 2 OC(=O)CNc1ccccc1
Hippuric acid
- 3 OC(=O)CNc1ccccc1C
o-Methylhippuric acid
- 4 OC(=O)CNc1ccc(C)cc1
m-Methylhippuric acid
- 5 OC(=O)CNc1ccc(C)cc1
p-Methylhippuric acid

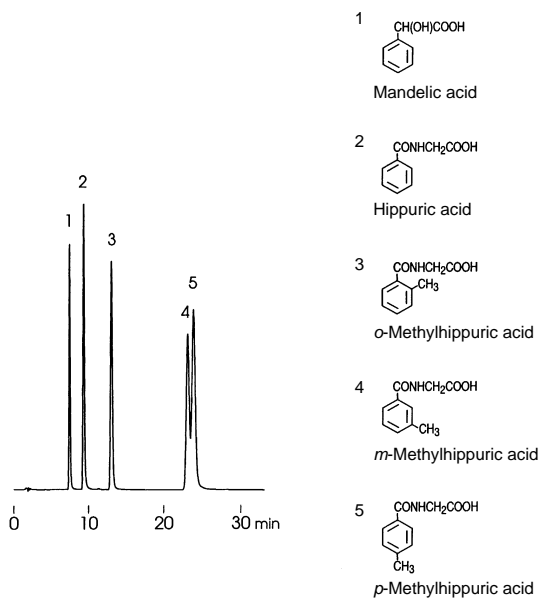


(A961114A)

Column : YMC-Pack Pro C18 (5 μm, 12nm)
 150 × 4.6 mm I.D.
 Eluent : 20mM NH₄H₂PO₄ - H₃PO₄ (pH 3.2)/methanol (80/20)
 Flow rate : 1.0 mL/min
 Temperature : 37
 Detection : UV at 225 nm, 0.16 AUFS
 Injection : 10 μL (0.04 ~ 0.07 mg/mL)

馬尿酸類

Hippuric and methylhippuric acids

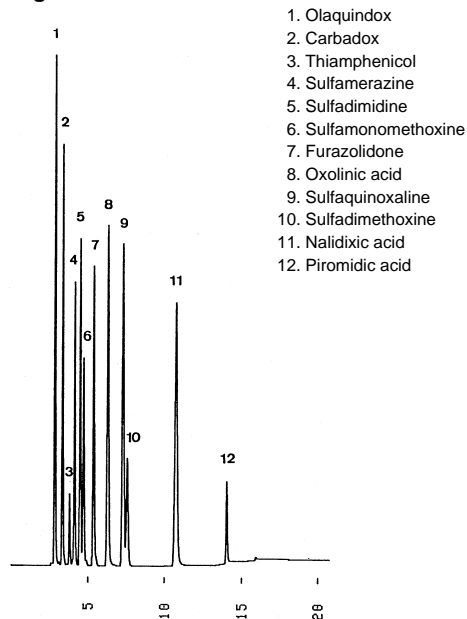


(A961119A)

Column : J'sphere ODS-M80 (4 μ m, 8nm)
150 \times 4.6 mm I.D.
Eluent : 20mM $\text{NH}_4\text{H}_2\text{PO}_4$ - H_3PO_4 (pH 3.2)/methanol (80/20)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 225 nm, 0.16 AUFS
Injection : 10 μ L (0.04 ~ 0.07 mg/mL)

合成抗菌剤

Antibacterial agents

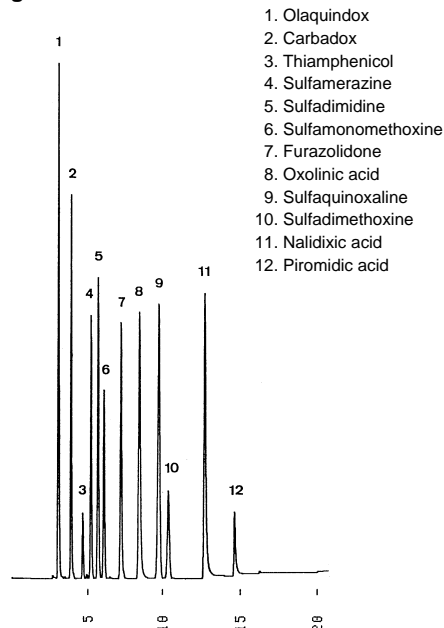


(K940614B)

Column : YMC-Pack ODS-A (5 μ m, 12nm)
250 × 4.6 mm I.D.
Eluent : A)acetonitrile/50mM NH₄H₂PO₄ (10/90)
B)acetonitrile/50mM NH₄H₂PO₄ (80/20)
25%B (0-5min), 25-100%B (5-15min), 100%B (15-20min)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 240 nm, 0.32 AUFS
Injection : 10 μ L (0.05 mg/mL)

合成抗菌剤

Antibacterial agents

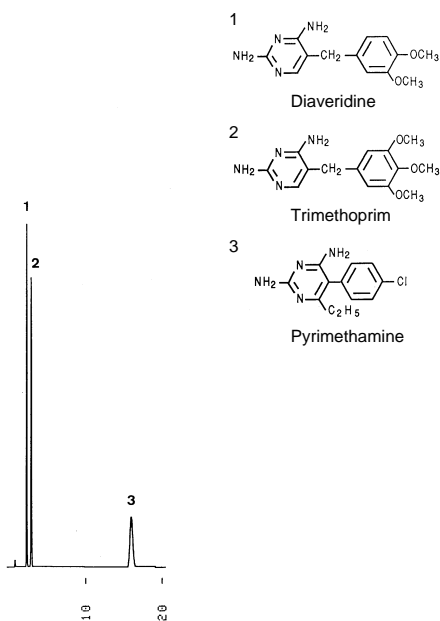


(K940615C)

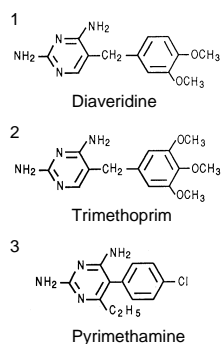
Column : J'sphere ODS-L80 (4 μ m, 8nm)
250 × 4.6 mm I.D.
Eluent : A)acetonitrile/50mM NH₄H₂PO₄ (10/90)
B)acetonitrile/50mM NH₄H₂PO₄ (80/20)
25%B (0-5min), 25-100%B (5-15min), 100%B (15-20min)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 240 nm, 0.32 AUFS
Injection : 10 μ L (0.05 mg/mL)

合成抗菌剤

Antibacterial agents

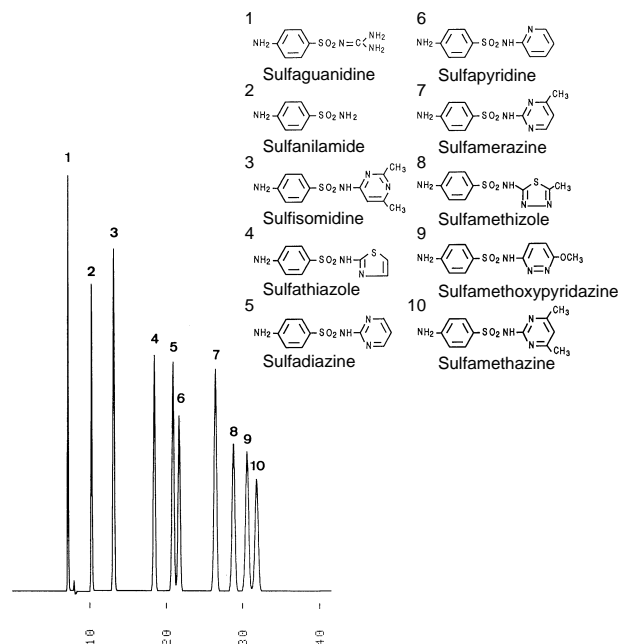


(O950320G)

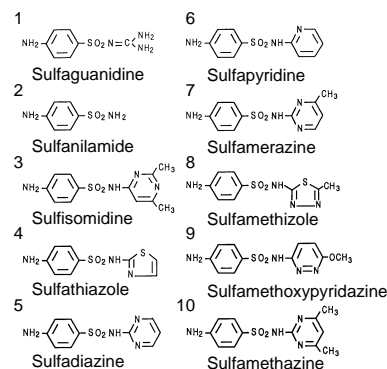


サルファ剤

Sulfonamides



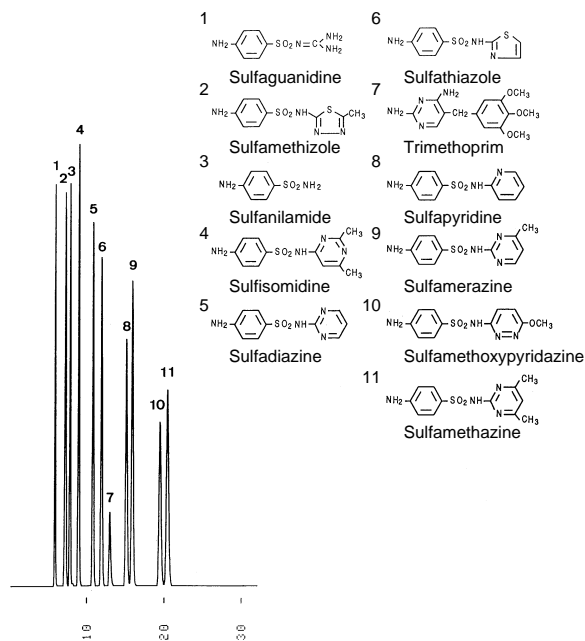
(O950306E)



Column : J'sphere ODS-M80 (4 μ m, 8nm)
75 × 4.6 mm I.D.
Eluent : acetonitrile/50mM NH₄H₂PO₄ (15/85)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 230 nm, 0.16 AUFS
Injection : 5 μ L (20 μ g/mL)

Column : J'sphere ODS-M80 (4 μ m, 8nm)
250 × 4.6 mm I.D.
Eluent : THF/50mM NH₄H₂PO₄ (10/90)
Flow rate : 0.5 mL/min
Temperature : 37
Detection : UV at 275 nm, 0.16 AUFS
Injection : 3 μ L (50 μ g/mL)

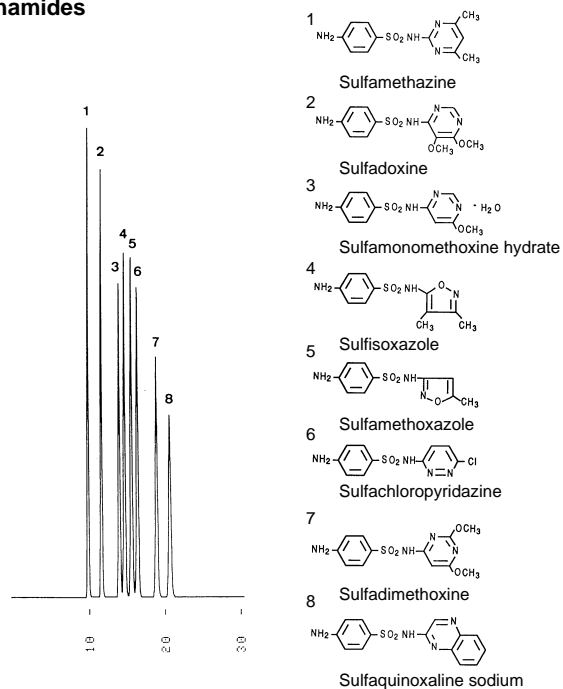
サルファ剤 Sulfonamides



(O950324L)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
250 \times 4.6 mm I.D.
Eluent : 50mM $\text{NH}_4\text{H}_2\text{PO}_4$ - (NH_4) $_2\text{HPO}_4$ (pH 6.2)/THF (90/10)
Flow rate : 0.5 mL/min
Temperature : 37
Detection : UV at 275 nm, 0.16 AUFS
Injection : 10 μ L (18 μ g/mL)

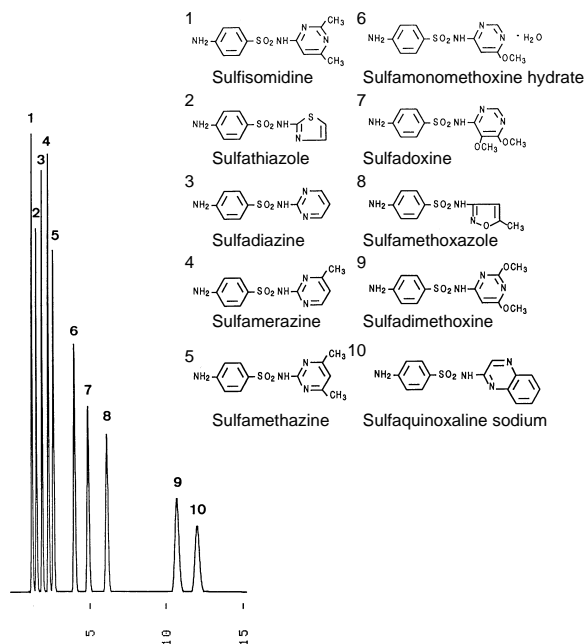
サルファ剤 Sulfonamides



(O950302C)

Column : YMC-Pack ODS-A (5 μ m, 12nm)
250 \times 4.6 mm I.D.
Eluent : THF/water/acetic acid (30/70/1)
Flow rate : 0.5 mL/min
Temperature : 37
Detection : UV at 275 nm, 0.16 AUFS
Injection : 5 μ L (42 μ g/mL)

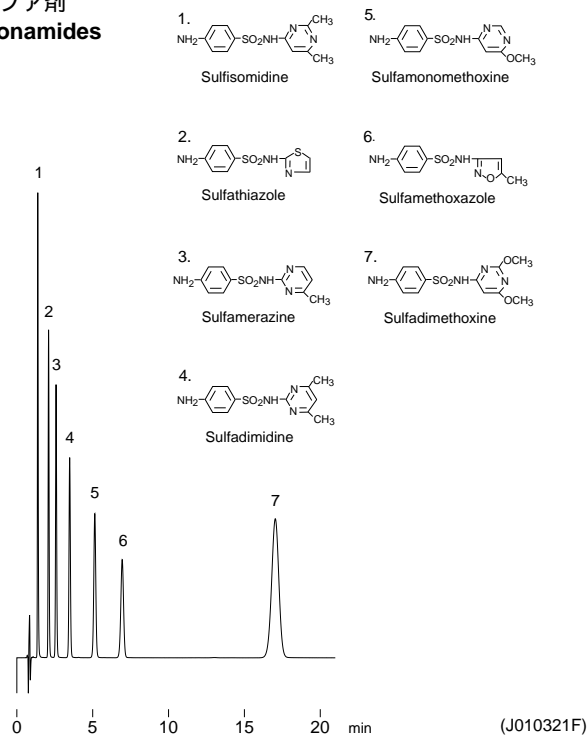
サルファ剤 Sulfonamides



(O950217D)

Column : J'sphere ODS-M80 (4 μ m, 8nm)
75 \times 4.6 mm I.D.
Eluent : THF/acetonitrile/50mM $\text{NH}_4\text{H}_2\text{PO}_4$ (15/5/80)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 275 nm, 0.16 AUFS
Injection : 3 μ L (50 μ g/mL)

サルファ剤 Sulfonamides

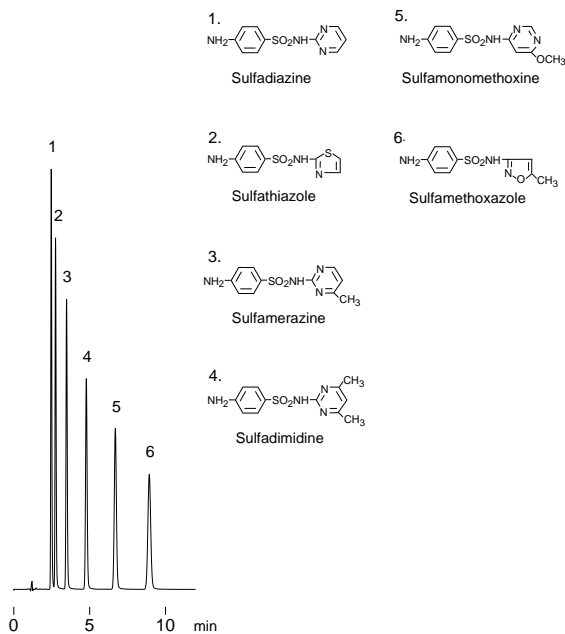


(J010321F)

Column : Hydrosphere C18 (3 μ m, 12nm)
50 \times 4.6 mm I.D.
Eluent : 10mM CH_3COOH - $\text{CH}_3\text{COONH}_4$ (pH 4.6) / acetonitrile (85/15)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 275 nm, 0.16 AUFS
Injection : 10 μ L (0.01 ~ 0.04 mg/mL)

サルファ剤

Sulfonamides



(J010130D)

Column : Hydrosphere C18 (3 μ m, 12nm)
75 \times 2.0 mm I.D.

Eluent : 10mM CH₃COOH - CH₃COONH₄ (pH 4.6) / acetonitrile (85/15)

Flow rate : 0.2 mL/min

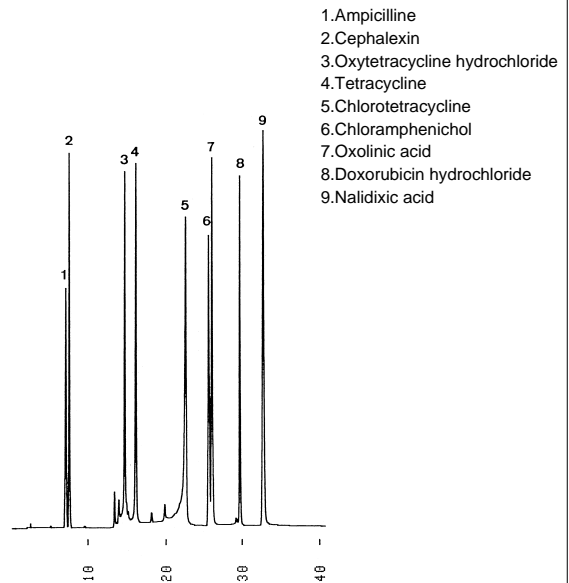
Temperature : 37

Detection : UV at 275 nm, 0.16 AUFS

Injection : 2 μ L (0.02 mg/mL)

抗生物質

Antibiotics



(G910523M)

Column : YMC-Pack ODS-AM (5 μ m, 12nm)
150 \times 4.6 mm I.D.

Eluent : A)acetonitrile/50mM NH₄H₂PO₄ (10/90)
B)acetonitrile/50mM NH₄H₂PO₄ (50/50)
0-55%B (0-30min,linear), 55%B (30-40min)

Flow rate : 1.0 mL/min

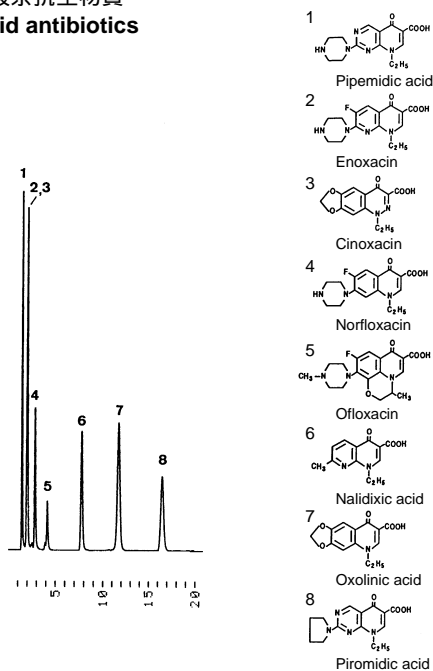
Temperature : 30

Detection : UV at 250 nm, 0.16 AUFS

Injection : 15 μ L (0.01 ~ 0.15 mg/mL)

ナリジクス酸系抗生物質

Nalidixic acid antibiotics



(O950428A)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
150 \times 4.6 mm I.D.

Eluent : 50mM NH₄H₂PO₄ - (NH₄)₂HPO₄ (pH 6.7)/tetrahydrofuran (90/10)
containing 20mM TBA·Br

Flow rate : 1.0 mL/min

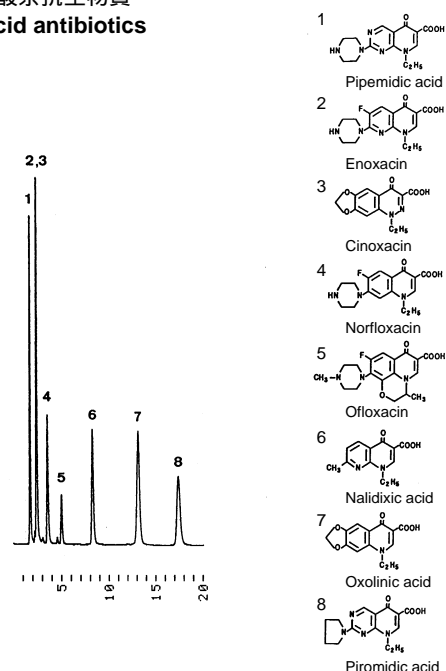
Temperature : ambient (25)

Detection : UV at 260 nm, 0.32 AUFS

Injection : 5 μ L (0.03 mg/mL)

ナリジクス酸系抗生物質

Nalidixic acid antibiotics



(O950428D)

Column : YMC-Pack ODS-AM (5 μ m, 12nm)
150 \times 4.6 mm I.D.

Eluent : 50mM NH₄H₂PO₄ - (NH₄)₂HPO₄ (pH 6.7)/tetrahydrofuran (90/10)
containing 20mM TBA·Br

Flow rate : 1.0 mL/min

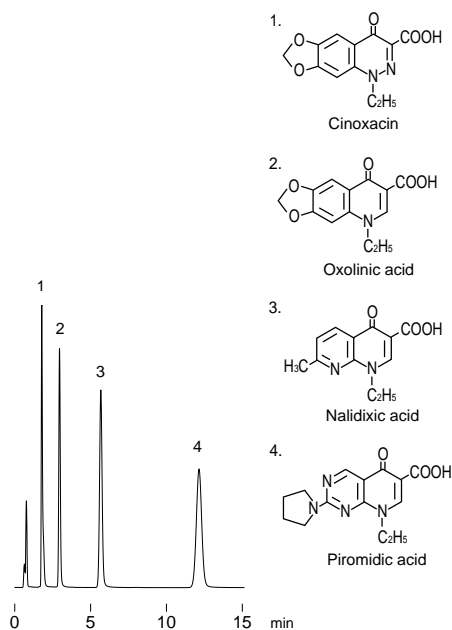
Temperature : ambient (25)

Detection : UV at 260 nm, 0.32 AUFS

Injection : 5 μ L (0.03 mg/mL)

ナリジクス酸系抗生物質

Nalidixic acid antibiotics

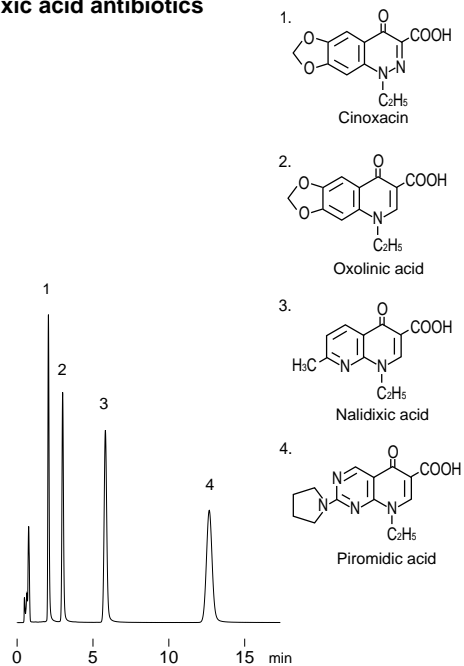


(A010324C)

Column : Hydrosphere C18 (3 μm, 12nm)
50 × 2.0 mm I.D.
Eluent : acetonitrile / 50mM NaH₂PO₄ (25/75)
Flow rate : 0.2 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.128 AUFS
Injection : 1 μL (0.02 ~ 0.1 mg/mL)

ナリジクス酸系抗生物質

Nalidixic acid antibiotics

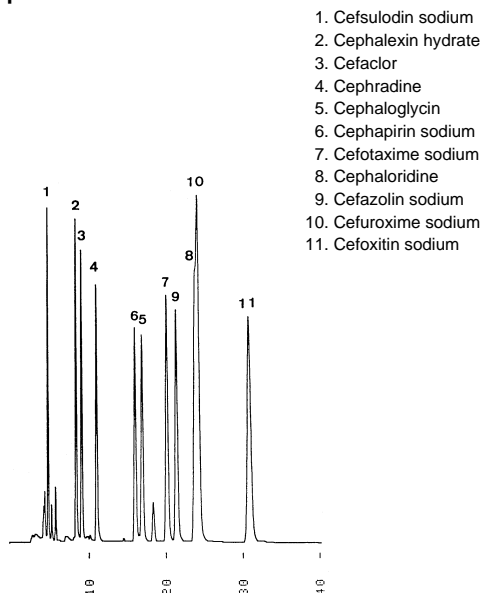


(A010324A)

Column : Hydrosphere C18 (3 μm, 12nm)
50 × 2.0 mm I.D.
Eluent : 10mM CH₃COOH - CH₃COONH₄(pH 4.3) / acetonitrile
(75/25)
Flow rate : 0.2 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.128 AUFS
Injection : 1 μL (0.02 ~ 0.1 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

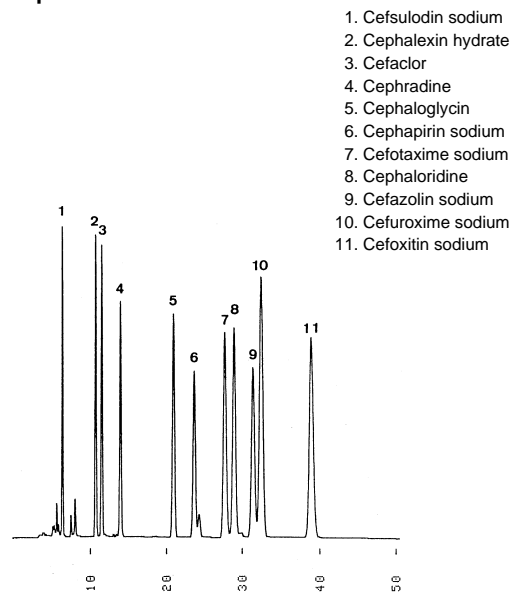


(O940719A)

Column : J'sphere ODS-H80 (4 μm, 8nm)
250 × 4.6 mm I.D.
Eluent : acetonitrile/100mM KH₂PO₄ (10/90)
Flow rate : 0.8 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.16 AUFS
Injection : 5 μL (0.12 ~ 0.35 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics



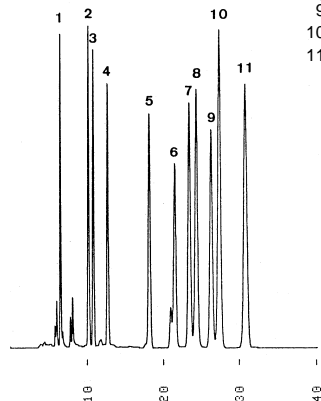
(O940715F)

Column : J'sphere ODS-M80 (4 μm, 8nm)
250 × 4.6 mm I.D.
Eluent : acetonitrile/100mM KH₂PO₄ (10/90)
Flow rate : 0.8 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.16 AUFS
Injection : 5 μL (0.12 ~ 0.35 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

1. Cefsulodin sodium
2. Cephalexin hydrate
3. Cefaclor
4. Cephradine
5. Cephaloglycin
6. Cephapirin sodium
7. Cefotaxime sodium
8. Cephaloridine
9. Cefazolin sodium
10. Cefuroxime sodium
11. Cefoxitin sodium

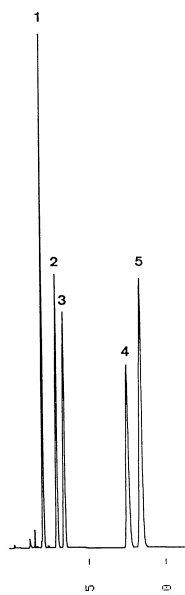
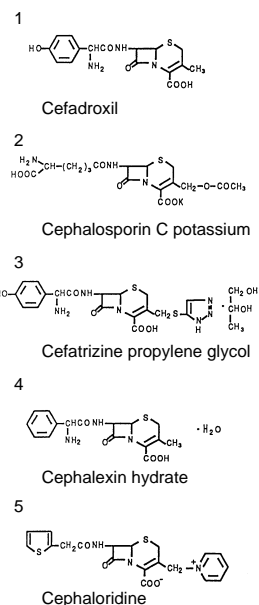


(O940718B)

Column : J'sphere ODS-L80 (4 μm, 8nm)
 250 × 4.6 mm I.D.
 Eluent : acetonitrile/100mM KH₂PO₄ (10/90)
 Flow rate : 0.8 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.16 AUFS
 Injection : 5 μL (0.12 ~ 0.35 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

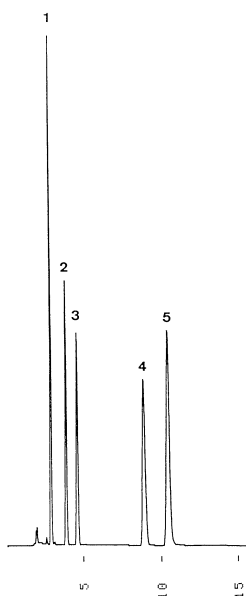
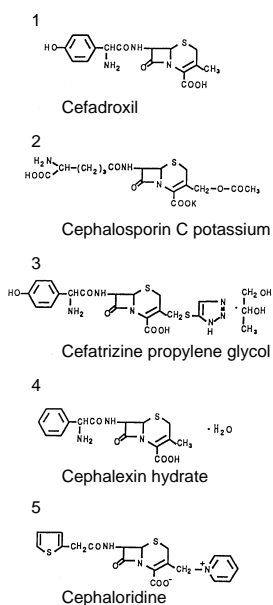


(O940927B)

Column : J'sphere ODS-H80 (4 μm, 8nm)
 150 × 4.6 mm I.D.
 Eluent : methanol/water/acetic acid (10/85/5)
 Flow rate : 1.0 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.16 AUFS
 Injection : 6 μL (0.2 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

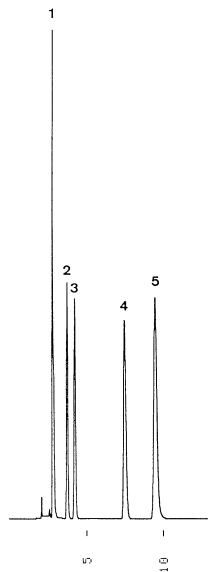
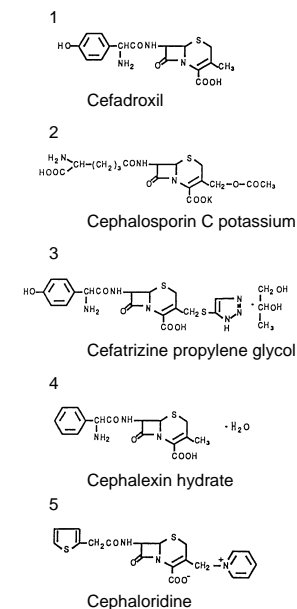


(O940927C)

Column : J'sphere ODS-M80 (4 μm, 8nm)
 150 × 4.6 mm I.D.
 Eluent : methanol/water/acetic acid (10/85/5)
 Flow rate : 1.0 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.16 AUFS
 Injection : 6 μL (0.2 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

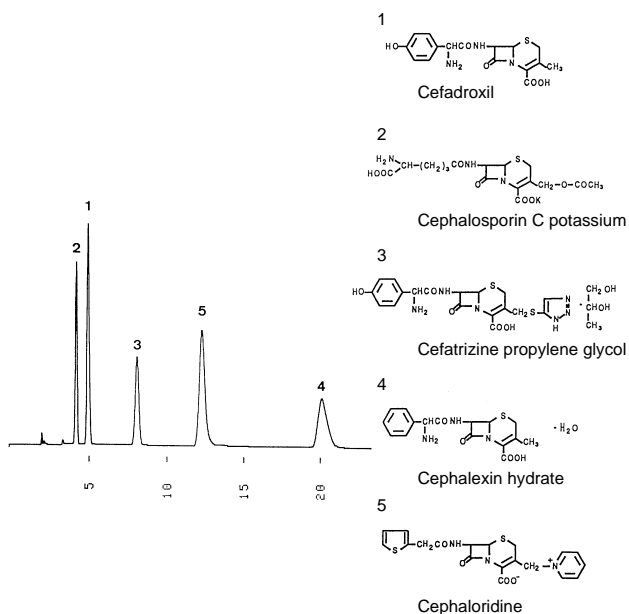


(O940927I)

Column : J'sphere ODS-L80 (4 μm, 8nm)
 150 × 4.6 mm I.D.
 Eluent : methanol/water/acetic acid (10/85/5)
 Flow rate : 1.0 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.16 AUFS
 Injection : 6 μL (0.2 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

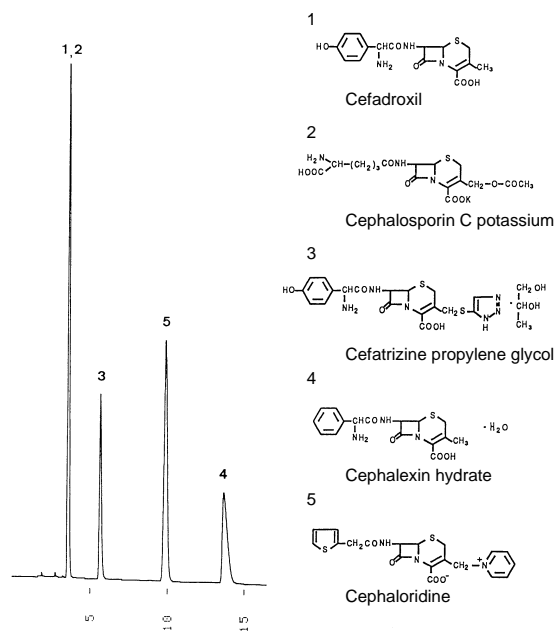


(O940927G)

Column : YMC-Pack ODS-AQ (5 μ m, 12nm)
 150 × 4.6 mm I.D.
 Eluent : methanol/water/acetic acid (10/85/5)
 Flow rate : 1.0 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.16 AUFS
 Injection : 6 μ L (0.2 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

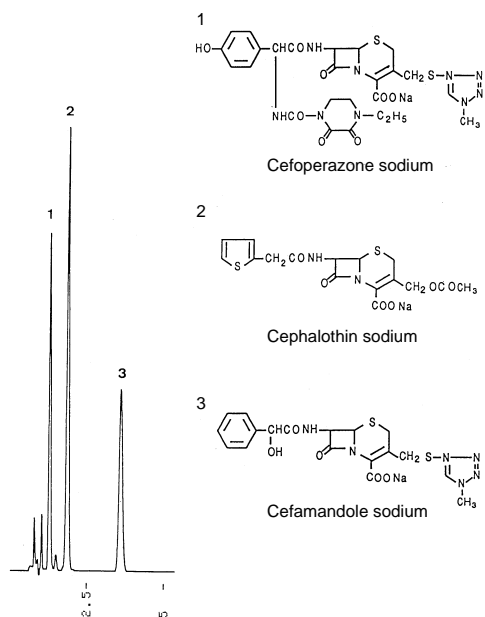


(O941025E)

Column : YMC-Pack ODS-AM (5 μ m, 12nm)
 150 × 4.6 mm I.D.
 Eluent : methanol/water/acetic acid (10/85/5)
 Flow rate : 1.0 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.16 AUFS
 Injection : 6 μ L (0.2 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

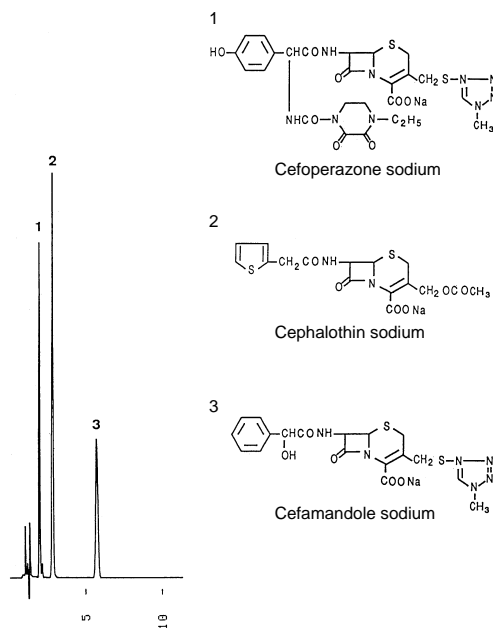


(O940928P)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
 75 × 4.6 mm I.D.
 Eluent : THF/50mM NH₄H₂PO₄ (15/85)
 Flow rate : 1.0 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.16 AUFS
 Injection : 6 μ L (0.17 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

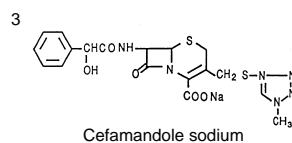
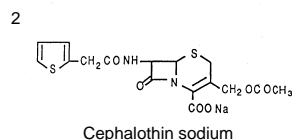
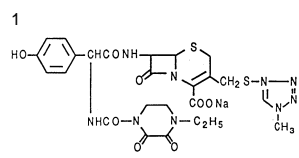
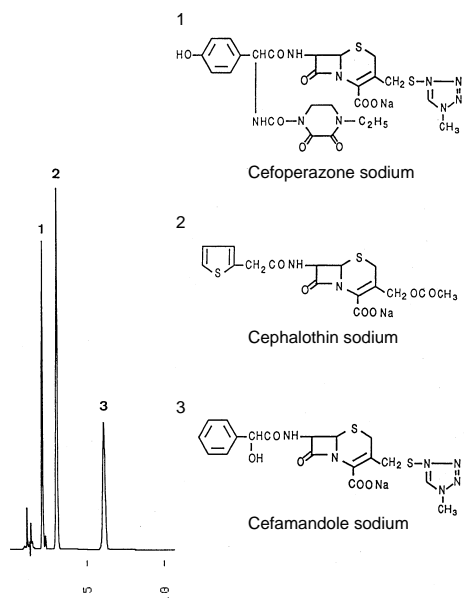


(O940928Q)

Column : J'sphere ODS-M80 (4 μ m, 8nm)
 75 × 4.6 mm I.D.
 Eluent : THF/50mM NH₄H₂PO₄ (15/85)
 Flow rate : 1.0 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.16 AUFS
 Injection : 6 μ L (0.17 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

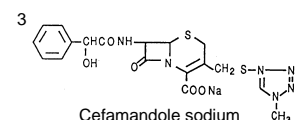
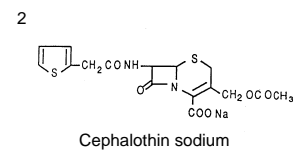
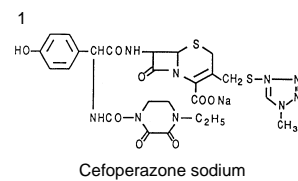
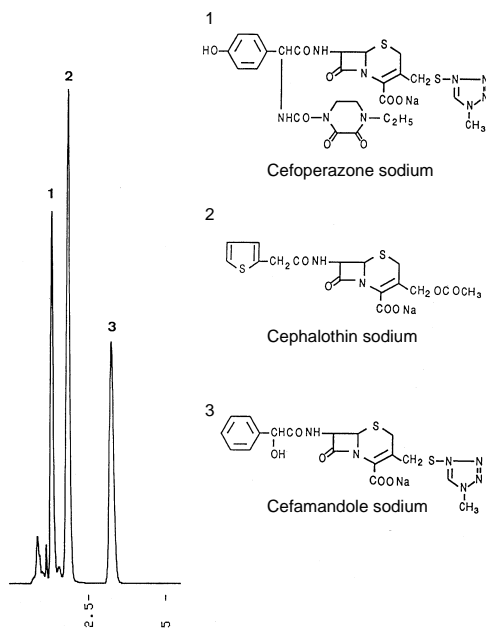


(O940928R)

Column : J'sphere ODS-L80 (4 μ m, 8nm)
75 × 4.6 mm I.D.
Eluent : THF/50mM NH₄H₂PO₄ (15/85)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.16 AUFS
Injection : 6 μ L (0.17 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

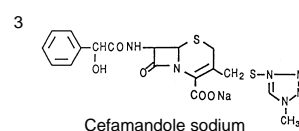
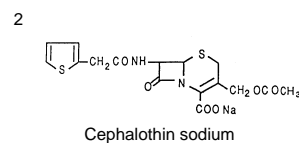
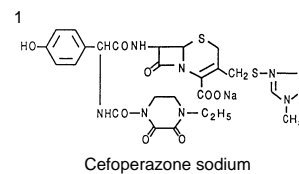
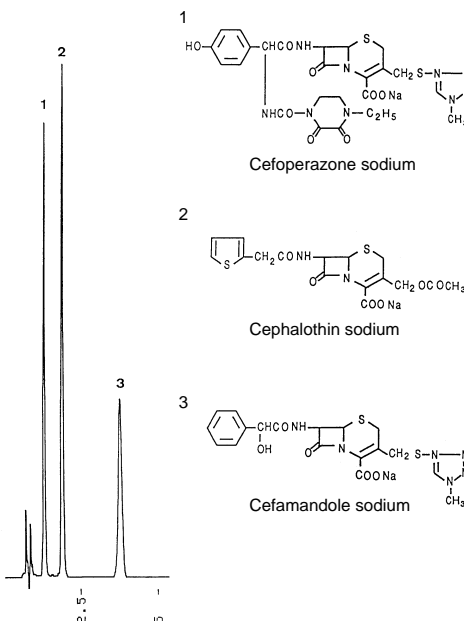


(O940929D)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
75 × 2.0 mm I.D.
Eluent : THF/50mM NH₄H₂PO₄ (15/85)
Flow rate : 0.2 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.16 AUFS
Injection : 3 μ L (0.17 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

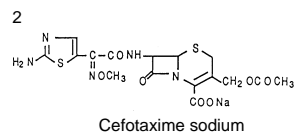
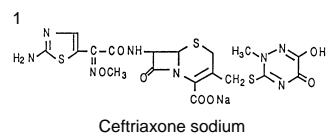
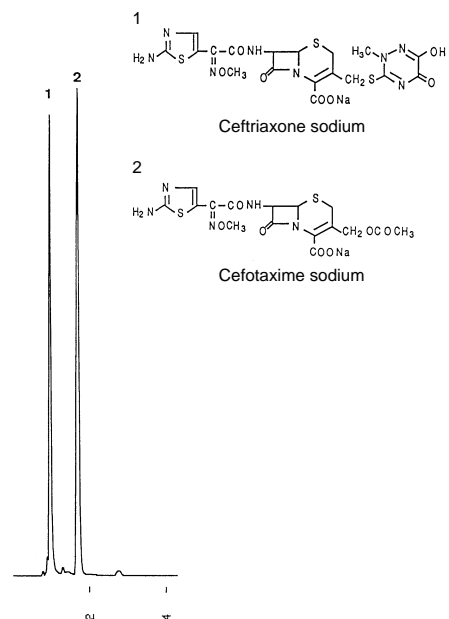


(O940928S)

Column : YMC-Pack ODS-A (3 μ m, 12nm)
50 × 4.6 mm I.D.
Eluent : THF/50mM NH₄H₂PO₄ (15/85)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.16 AUFS
Injection : 6 μ L (0.17 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

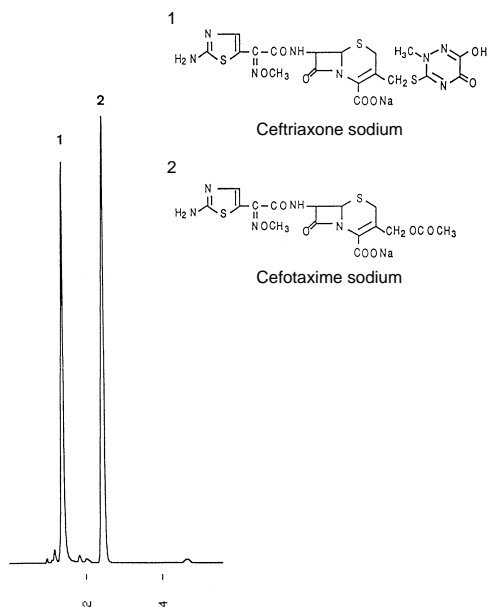


(O940928G)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
75 × 4.6 mm I.D.
Eluent : methanol/50mM NH₄H₂PO₄ (30/70)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.16 AUFS
Injection : 5 μ L (0.08, 0.16 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

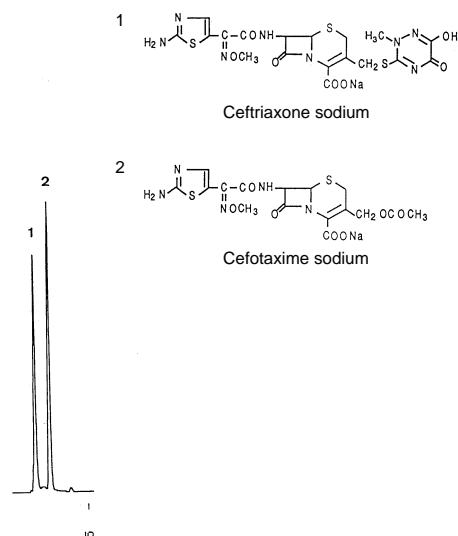


(O940928F)

Column : J'sphere ODS-M80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : methanol/50mM NH₄H₂PO₄ (30/70)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.16 AUFS
Injection : 5 μL (0.08, 0.16 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

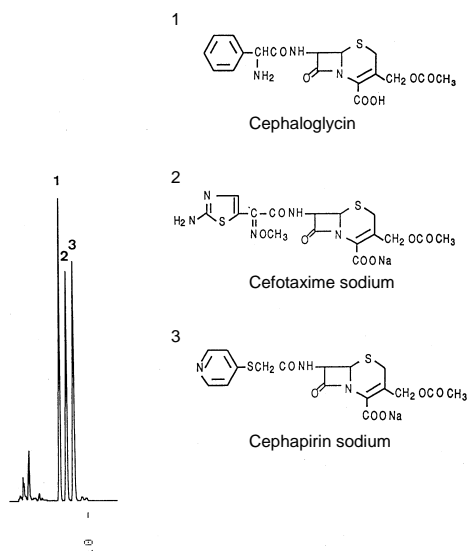


(O940929K)

Column : J'sphere ODS-H80 (4 μm, 8nm)
75 × 2.0 mm I.D.
Eluent : methanol/50mM NH₄H₂PO₄ (30/70)
Flow rate : 0.2 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.16 AUFS
Injection : 3 μL (0.08, 0.16 mg/mL)

セフェム系抗生物質

Cephalosporin antibiotics

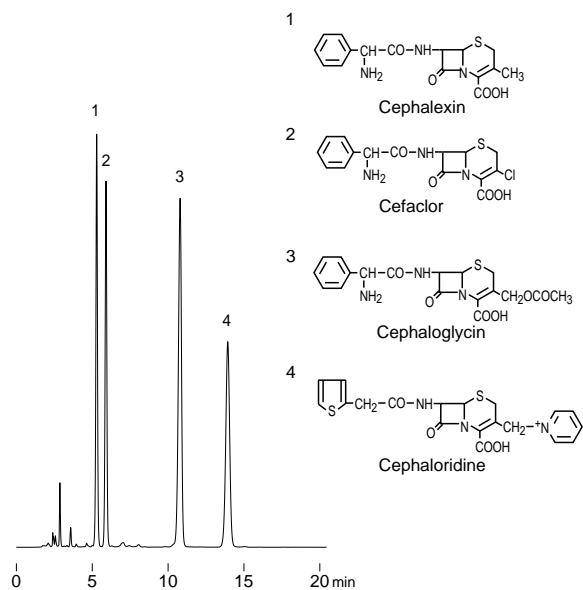


(O940720A)

Column : J'sphere ODS-M80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : acetonitrile/100mM KH₂PO₄ (10/90)
Flow rate : 0.8 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.64 AUFS
Injection : 5 μL (0.5 mg/mL)

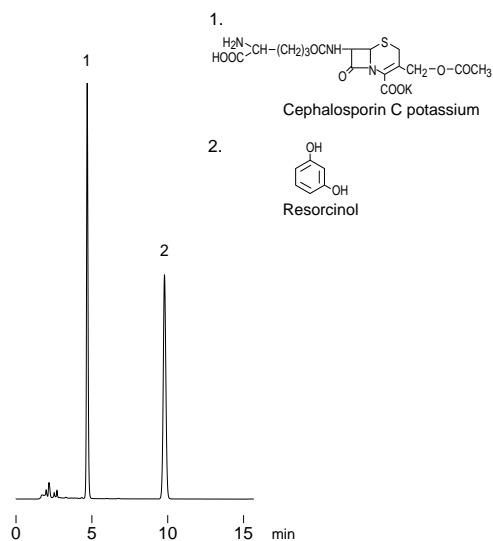
セフェム系抗生物質

Cephalosporin antibiotics



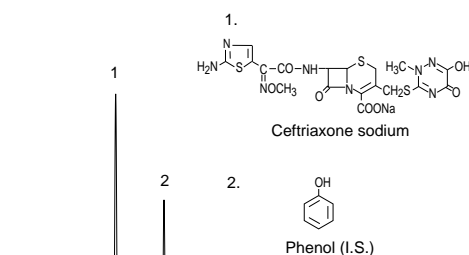
(S000717B)

Column : Hydrosphere C18 (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile/20mM KH₂PO₄ (10/90)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.32 AUFS
Injection : 15 μL (0.1 ~ 0.2 mg/mL)

セファロsporin C
Cephalosporin C


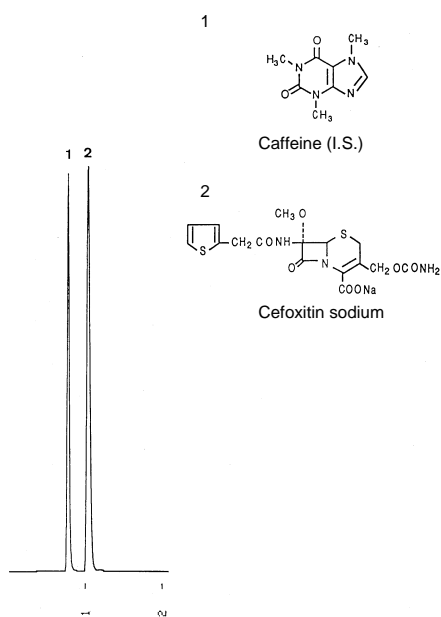
(S000714B)

Column : Hydrosphere C18 (5 μ m, 12nm)
 150 × 4.6 mm I.D.
 Eluent : acetonitrile/20mM KH₂PO₄ (5/95)
 Flow rate : 1.0 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.16 AUFS
 Injection : 10 μ L (0.2 mg/mL)

セフトリアキソン
Ceftriaxone


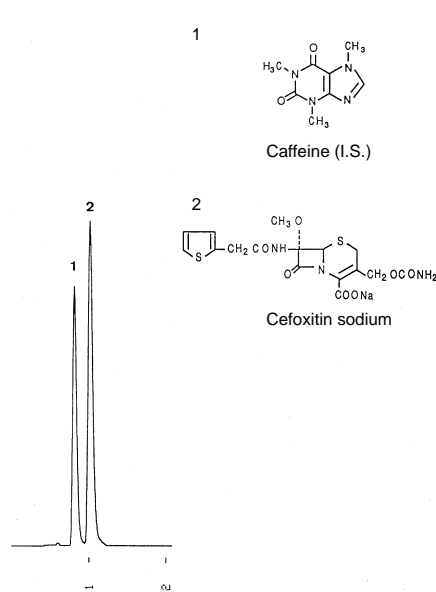
(S000726B)

Column : Hydrosphere C18 (5 μ m, 12nm)
 150 × 4.6 mm I.D.
 Eluent : methanol / 10mM H₃PO₄ (25/75)
 Flow rate : 1.0 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.32 AUFS
 Injection : 10 μ L (0.1, 0.4 mg/mL)

セフォキシチンナトリウム
Cefoxitin sodium


(O940728M)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
 75 × 4.6 mm I.D.
 Eluent : acetonitrile/50mM KH₂PO₄ (20/80)
 Flow rate : 1.8 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.32 AUFS
 Injection : 1.2 μ L (8, 12 mg/mL)

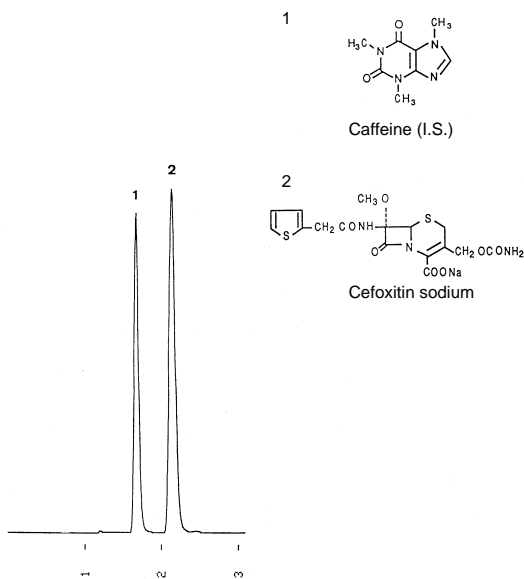
セフォキシチンナトリウム
Cefoxitin sodium


(O940728P)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
 75 × 2.0 mm I.D.
 Eluent : acetonitrile/50mM KH₂PO₄ (20/80)
 Flow rate : 0.34 mL/min
 Temperature : 37
 Detection : UV at 260 nm, 0.32 AUFS
 Injection : 1.2 μ L (1.6, 2.4 mg/mL)

セフォキシチンナトリウム

Cefoxitin sodium

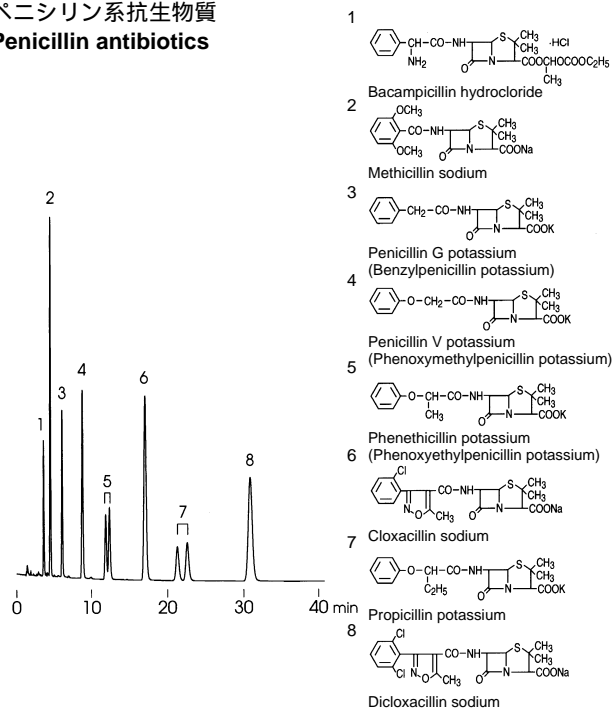


(O940729A)

Column : J'sphere ODS-H80 (4 μm, 8nm)
150 × 2.0 mm I.D.
Eluent : acetonitrile/50mM KH₂PO₄ (20/80)
Flow rate : 0.34 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.32 AUFS
Injection : 1.2 μL (1.6, 2.4 mg/mL)

ペニシリン系抗生物質

Penicillin antibiotics

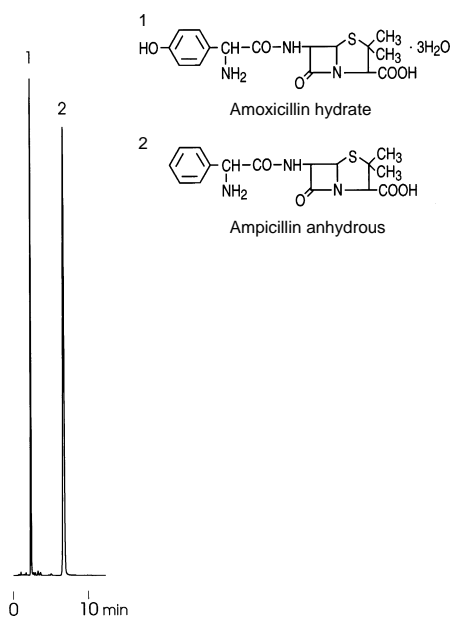


(O950908A)

Column : J'sphere ODS-H80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : 50mM NaH₂PO₄ - H₃PO₄ (pH 2.3)/acetonitrile (67/33)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 220 nm, 0.26 AUFS
Injection : 8 μL (0.13 mg/mL)

ペニシリン系抗生物質

Penicillin antibiotics

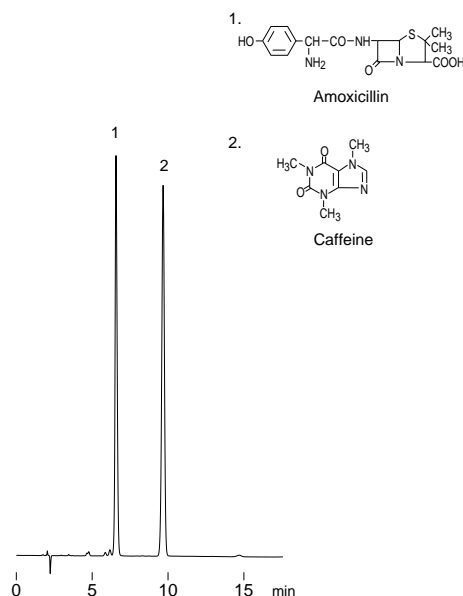


(O950920C)

Column : J'sphere ODS-H80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : 50mM NaH₂PO₄ - H₃PO₄ (pH 2.3)/acetonitrile (80/20) containing 20mM sodium 1-heptanesulfonate
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 220 nm, 0.13 AUFS
Injection : 2 μL (0.3, 0.7 mg/mL)

アモキシシリン

Amoxicillin

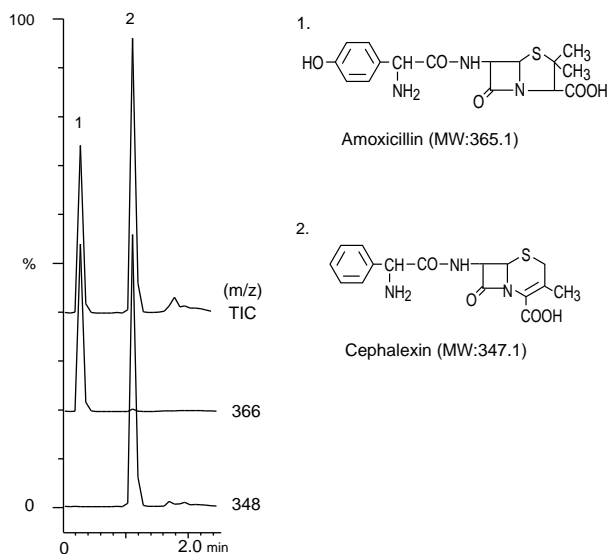


(S000622D)

Column : Hydrosphere C18 (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile / water / TFA (10/90/0.1)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 220 nm, 0.32 AUFS
Injection : 10 μL (0.2, 0.1 mg/mL)

抗生物質の高速分離 - LC/MS

Rapid separation of antibiotics - LC/MS



(A020620A)

Column : LC/MS Cartridge Column VA
Pro C18 (3 μ m, 12nm)
20 \times 2.0 mm I.D.

Eluent : A) water/formic acid (100/0.05)
B) methanol/formic acid (100/0.05)
10-90%B(0-0.5min), 90%B(0.5-1.0min)

Flow rate : 0.6 mL/min

Temperature : 37

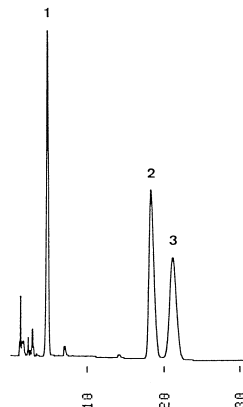
Detection : ESI-positive mode

Injection : 2 μ L

エリスロマイシン

Erythromycin antibiotic drugs

- 1.Erythromycin
- 2.Erythromycin ethylsuccinate
- 3.Erythromycin estolate



(S930910B)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
150 \times 4.6 mm I.D.

Eluent : acetonitrile/methanol/100mM (NH₄)₂HPO₄ (45/15/40)

Flow rate : 1.0 mL/min

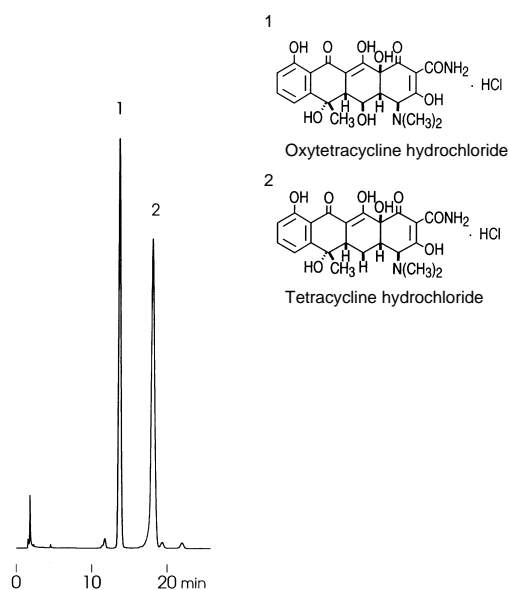
Temperature : 45

Detection : UV at 210 nm, 0.26 AUFS

Injection : 15 μ L (2.5 mg/mL)

テトラサイクリン系抗生物質

Tetracycline antibiotics



(S970524D)

Column : YMC-Pack Pro C18 (5 μ m, 12nm)
150 \times 4.6 mm I.D.

Eluent : acetonitrile/10mM oxalic acid (10/90)

Flow rate : 1.0 mL/min

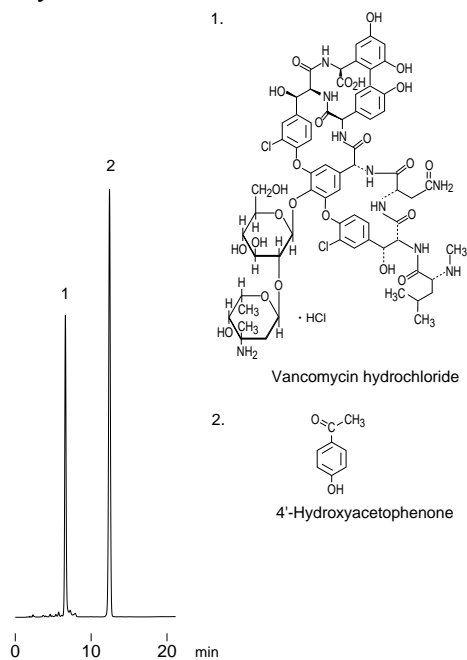
Temperature : 37

Detection : UV at 280 nm, 0.13 AUFS

Injection : 6 μ L (0.2 mg/mL)

バンコマイシン

Vancomycin



(S000728B)

Column : Hydrosphere C18 (5 μ m, 12nm)
150 \times 4.6 mm I.D.

Eluent : 20mM KH₂PO₄ - K₂HPO₄ (pH 6.9) / acetonitrile
(88/12)

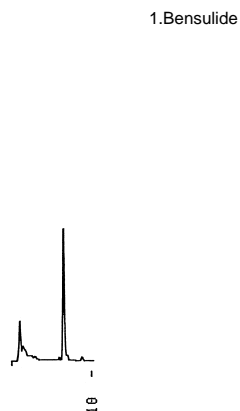
Flow rate : 1.0 mL/min

Temperature : 37

Detection : UV at 220 nm, 0.32 AUFS

Injection : 10 μ L (0.1 mg/mL)

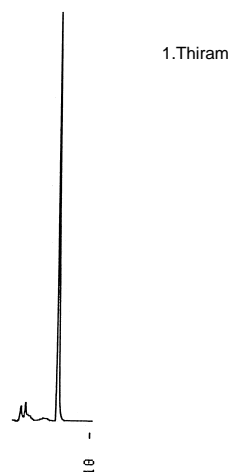
ベンスリド
O,O-Di-isopropyl S-2-benzenesulphonamidoethylphosphorodithioate



(G910223E)

Column : YMC-Pack MB-ODS
 150 × 2.1 mm I.D.
 Eluent : acetonitrile/water (60/40)
 Flow rate : 0.3 mL/min
 Temperature : 30
 Detection : UV at 220 nm, 0.01 AUFS
 Injection : 10 μL (1.0 mg/L)

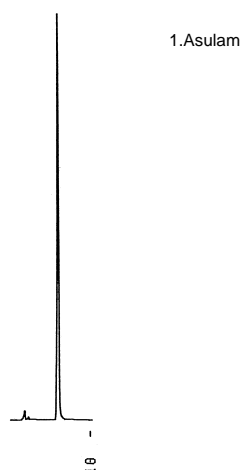
チウラム
Bis(dimethylthiocarbamoyl)disulfide



(G910223D)

Column : YMC-Pack MB-ODS
 150 × 2.1 mm I.D.
 Eluent : acetonitrile/water (40/60)
 Flow rate : 0.3 mL/min
 Temperature : 30
 Detection : UV at 260 nm, 0.01 AUFS
 Injection : 10 μL (2.0 mg/L)

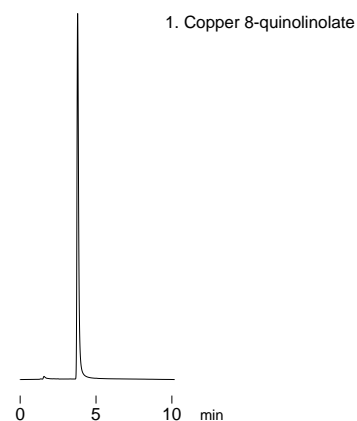
アシュラム
Methyl sulfanilylcarbamate



(G910223C)

Column : YMC-Pack MB-ODS
 150 × 2.1 mm I.D.
 Eluent : THF/water/TFA (10/90/0.05)
 Flow rate : 0.3 mL/min
 Temperature : 30
 Detection : UV at 260 nm, 0.01 AUFS
 Injection : 10 μL (1.0 mg/L)

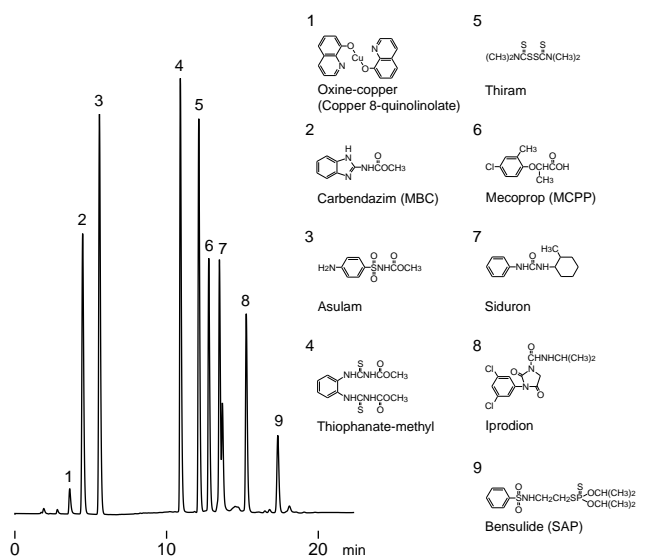
オキシシン銅
Copper 8-quinolinolate



(A010717A)

Column : Hydrosphere C18 (5 μm, 12nm)
 150 × 2.0 mm I.D.
 Eluent : acetonitrile/20mM H₃PO₄ (5/95)
 Flow rate : 0.2 mL/min
 Temperature : 37
 Detection : UV at 250 nm, 0.32 AUFS
 Injection : 2 μL (0.02 mg/mL)

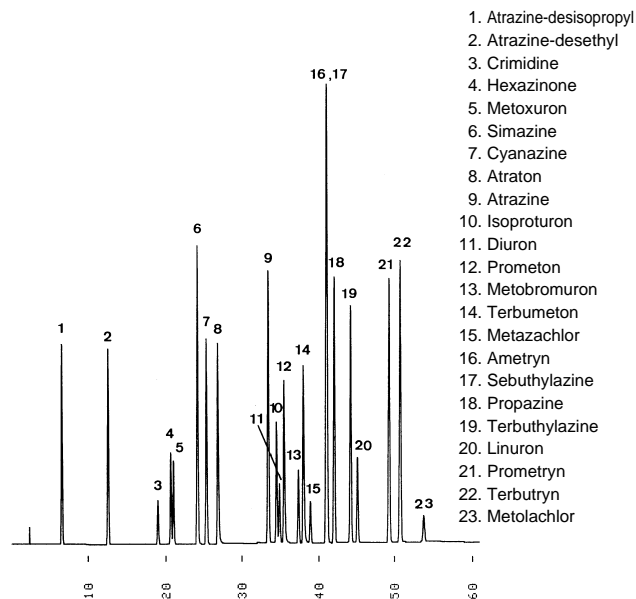
水質規制農薬9成分 Analysis of 9 pesticides



(N040107A)

Column : Hydrosphere C18 (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : A) 50mM KH₂PO₄-H₃PO₄ (pH 3.0)
B) acetonitrile
15-65%B (0-10min), 65%B (10-20min)
Flow rate : 1.0 mL/min
Temperature : 40
Detection : UV at 270 nm (0-6.5 min), 230 nm (6.5-20 min)
0.08 AUFS
Injection : 10 μL (10 μg/mL)

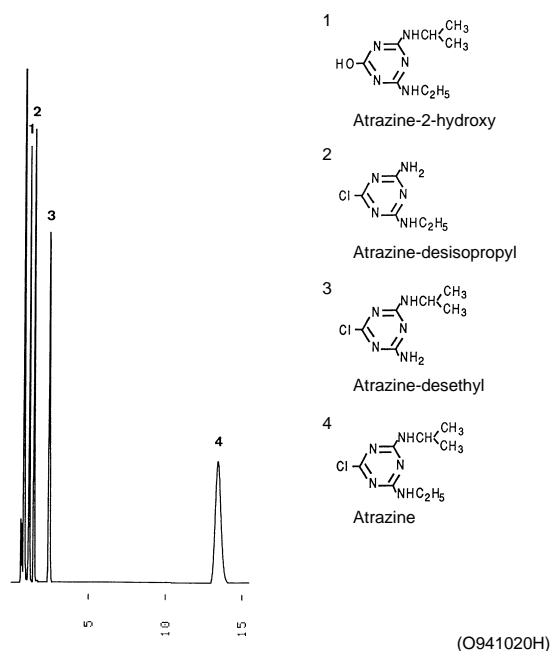
除草剤 Herbicides



(O941018B)

Column : J'sphere ODS-H80 (4 μm, 8nm)
250 × 4.6 mm I.D.
Eluent : A) acetonitrile/50mM NH₄H₂PO₄ (20/80)
B) acetonitrile/50mM NH₄H₂PO₄ (65/35)
0-100%B (0-60min, linear)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 230 nm, 0.16 AUFS
Injection : 5 μL (0.04 mg/mL)

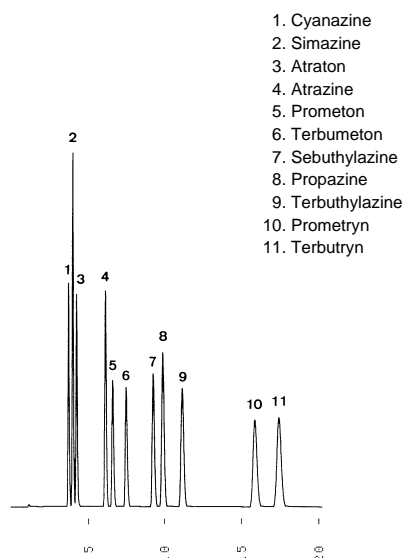
アトラジン誘導体 Atrazine derivatives



(O941020H)

Column : J'sphere ODS-H80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : acetonitrile/water/TFA (25/75/0.1)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 230 nm, 0.16 AUFS
Injection : 5 μL (0.04 mg/mL)

トリアジン系除草剤 Triazine herbicides

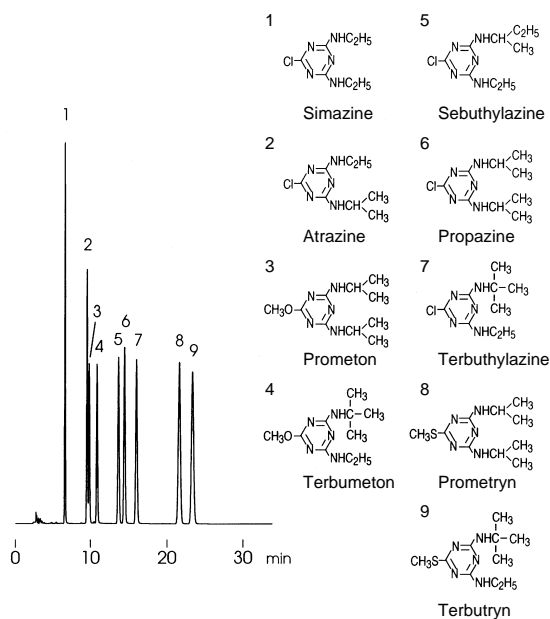


(O941102F)

Column : J'sphere ODS-H80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile/50mM NH₄H₂PO₄ (45/55)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 230 nm, 0.32 AUFS
Injection : 5 μL (0.05 mg/mL)

トリアジン系除草剤

Triazine herbicides

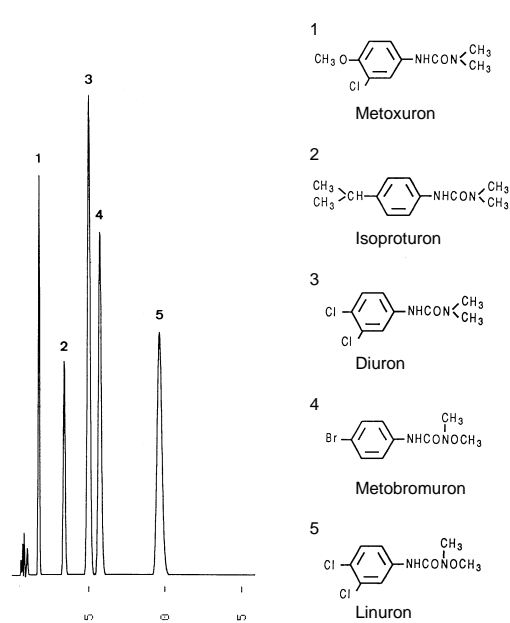


(A970210B)

Column : YMC-Pack Pro C18 (5 μm, 12nm)
250 × 4.6 mm I.D.
Eluent : acetonitrile/50mM NH₄H₂PO₄ (45/55)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 230 nm, 0.32 AUFS
Injection : 5 μL (0.05 mg/mL)

尿素系除草剤

Urea herbicides

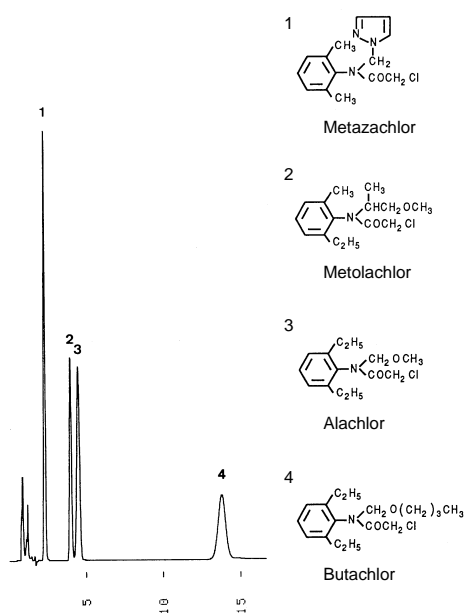


(O941028B)

Column : J'sphere ODS-H80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : THF/water (30/70)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.16 AUFS
Injection : 4 μL (0.2 mg/mL)

酸アミド系除草剤

Acid amide herbicides

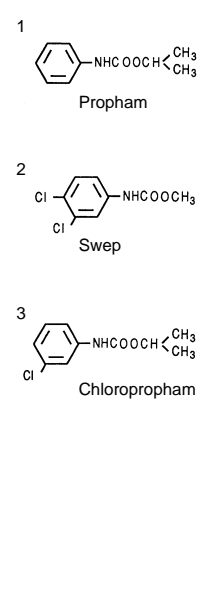


(O941108C)

Column : J'sphere ODS-M80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : 2-propanol/THF/water (25/15/60)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 210 nm, 0.16 AUFS
Injection : 8 μL (0.05 mg/mL)

カルバメート系除草剤

Carbamate herbicides

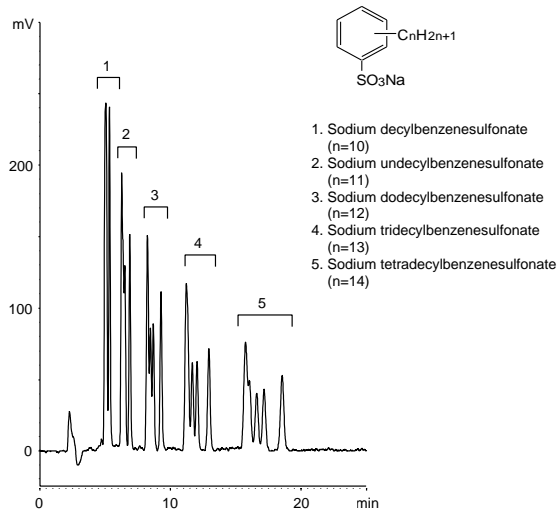


(O941124G)

Column : J'sphere ODS-L80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : acetonitrile/water (45/55)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 240 nm, 0.16 AUFS
Injection : 5 μL (0.08 mg/mL)

陰イオン界面活性剤

Anionic surfactants



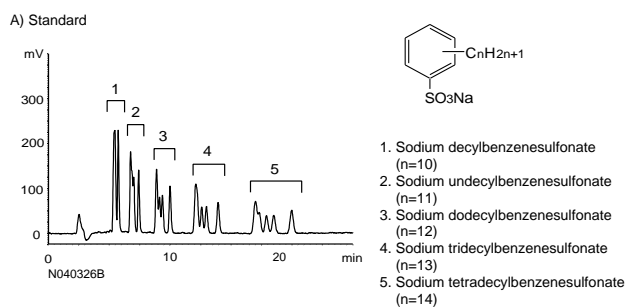
(N040324D)

Column : YMC-Pack Pro C18 (5 μ m, 12nm)
 250 \times 4.6 mm I.D.
 Eluent : acetonitrile/water (65/35) containing 0.1M NaClO₄
 Flow rate : 1.0 mL/min
 Temperature : 40
 Detection : FLS at Ex 221 nm, Em 284 nm
 Injection : 20 μ L (2.0 μ g/mL)

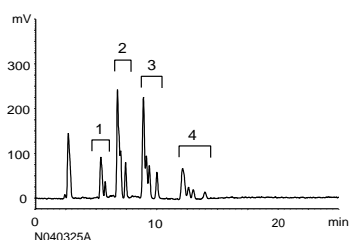
平成15年改正水質基準の検査方法準拠

市販洗濯剤中の陰イオン界面活性剤

Anionic surfactants in a commercial laundry detergent



B) Laundry detergent

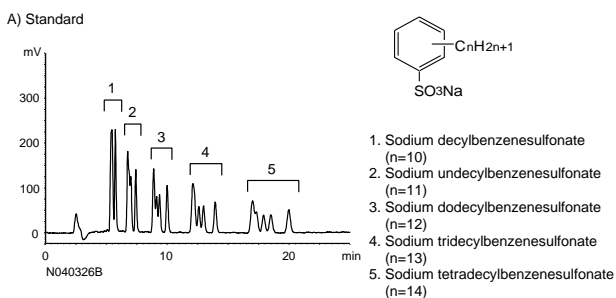


(N040325A)

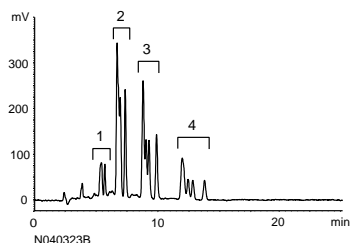
Column : YMC-Pack Pro C18 (5 μ m, 12nm)
 250 \times 4.6 mm I.D.
 Eluent : acetonitrile/water (65/35) containing 0.1M NaClO₄
 Flow rate : 1.0 mL/min
 Temperature : 40
 Detection : FLS at Ex 221 nm, Em 284 nm
 Injection : 20 μ L
 Sample : A) 2.0 μ g/mL
 B) 25 μ g/mL (water solution of laundry detergent powder)

市販クレンザー中の陰イオン界面活性剤

Anionic surfactants in a commercial cleanser



B) Cleanser

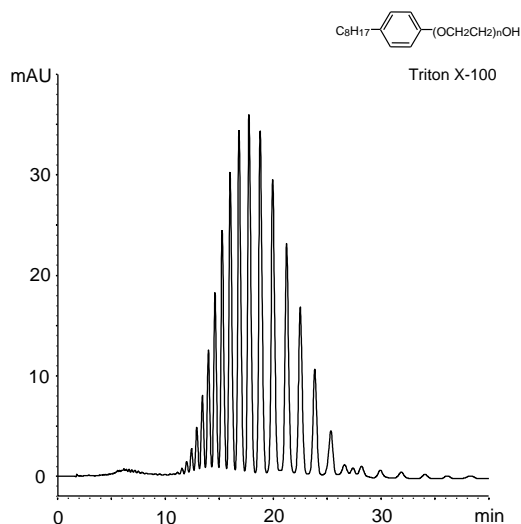


(N040323B)

Column : YMC-Pack Pro C18 (5 μ m, 12nm)
 250 \times 4.6 mm I.D.
 Eluent : acetonitrile/water (65/35) containing 0.1M NaClO₄
 Flow rate : 1.0 mL/min
 Temperature : 40
 Detection : FLS at Ex 221 nm, Em 284 nm
 Injection : 20 μ L
 Sample : A) 2.0 μ g/mL
 B) 250 μ g/mL (water solution of powder cleanser)

非イオン性界面活性剤

Nonionic surfactants



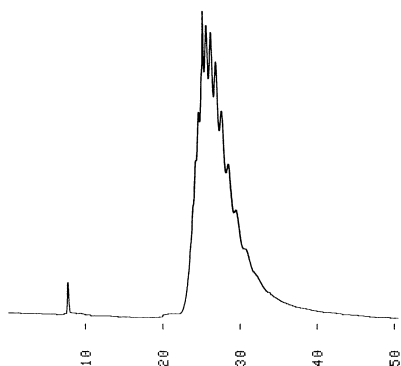
(N040308D)

Column : YMC-Pack Pro C18 RS (5 μ m, 8nm)
 250 \times 4.6 mm I.D.
 Eluent : THF/acetonitrile/water (10/45/45)
 Flow rate : 1.0 mL/min
 Temperature : 25
 Detection : UV at 254nm
 Injection : 10 μ L (20 mg/mL)

非イオン性界面活性剤

Nonionic surfactant

1.Triton X-100



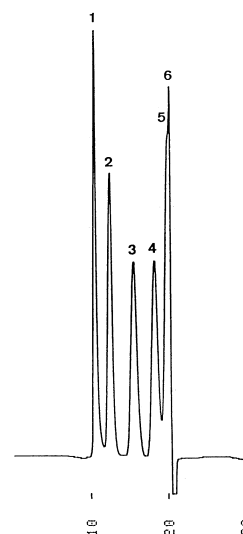
(G920109C)

Column : YMC-Pack Diol-120
500 × 8.0 mm I.D.
Eluent : acetonitrile/water (10/90)
Flow rate : 1.0 mL/min
Temperature : ambient (23)
Detection : UV at 260 nm, 0.02 AUFS
Injection : 15 μ L (5.0 mg/mL)
Sample : Triton X-100

ポリエチレングリコール

Polyethyleneglycols

1.PEG #20,000 (MW 20,000)
2.PEG #6,000 (MW 8,400)
3.PEG #4,000 (MW 3,350)
4.PEG #1,000 (MW 1,000)
5.PEG #300 (MW 300)
6.Ethyleneglycol (MW 62)

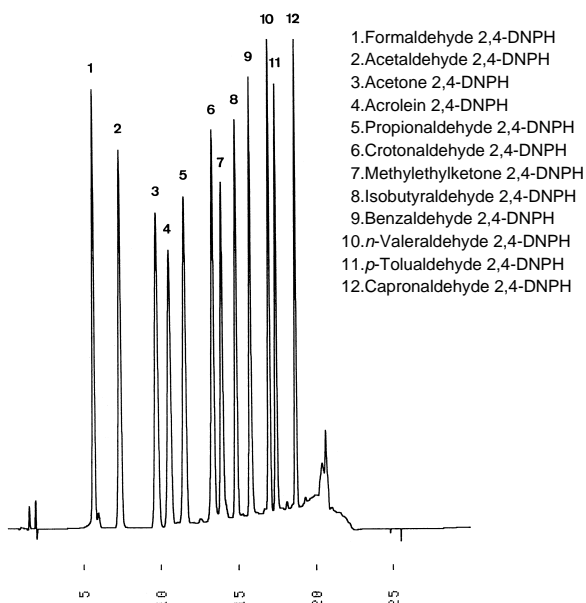


(G920123A)

Column : YMC-Pack Diol-120
500 × 8.0 mm I.D.
Eluent : acetonitrile/water(10/90)
Flow rate : 1.0 mL/min
Temperature : ambient (22)
Detection : RI, 64 × 10⁻⁶ RIU/FS
Injection : 100 μ L (1.67 mg/mL)

アルデヒドおよびケトン類の2,4-DNPH誘導体

2,4-Dinitrophenylhydrazones of aldehydes and ketones



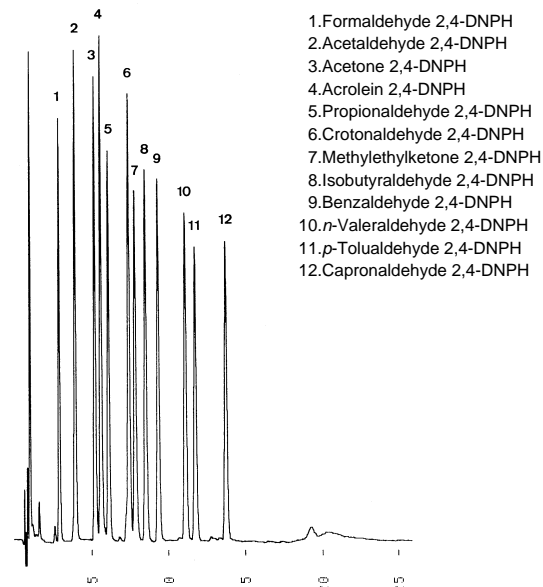
(T920302A)

Column : YMC-Pack C₄ (5 μ m, 12nm)
150 × 4.6 mm I.D.
Eluent : A)tetrahydrofuran/water (10/90)
B)acetonitrile
35%B (0-7min), 35-65%B (7-18min, linear), 100%B (18-19min),
35%B (19-35min)
Flow rate : 1.5 mL/min
Temperature : 30
Detection : UV at 360 nm, 0.01 AUFS
Injection : 11 μ L (0.0025 mg/mL)

1.Formaldehyde 2,4-DNPH
2.Acetaldehyde 2,4-DNPH
3.Acetone 2,4-DNPH
4.Acrolein 2,4-DNPH
5.Propionaldehyde 2,4-DNPH
6.Crotonaldehyde 2,4-DNPH
7.Methylethylketone 2,4-DNPH
8.Isobutyraldehyde 2,4-DNPH
9.Benzaldehyde 2,4-DNPH
10.n-Valeraldehyde 2,4-DNPH
11.p-Tolualdehyde 2,4-DNPH
12.Capronaldehyde 2,4-DNPH

アルデヒドおよびケトン類の2,4-DNPH誘導体

2,4-dinitrophenylhydrazones of aldehydes and ketones



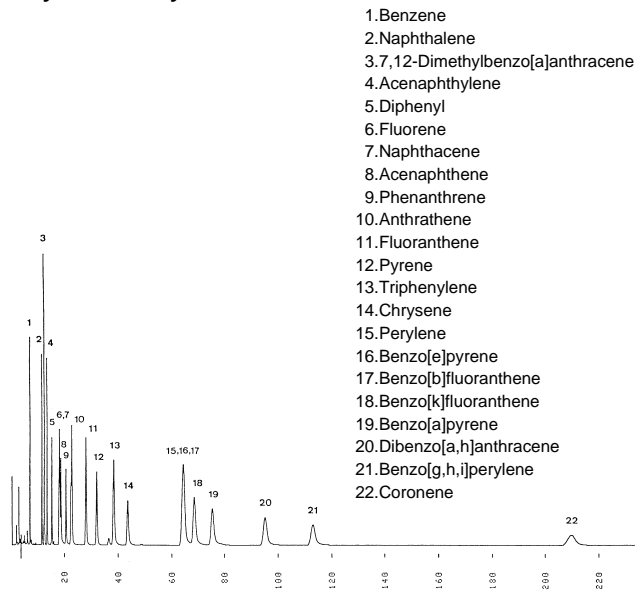
(T931130D)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
75 × 4.6 mm I.D.
Eluent : A)tetrahydrofuran/water (20/80)
B)acetonitrile/methanol (90/10)
30-67%B (0-15min, Linear), 30%B (15-25min)
Flow rate : 1.0 mL/min
Temperature : 40
Detection : UV at 360 nm, 0.01 AUFS
Injection : 15 μ L (0.001 mg/mL)

1.Formaldehyde 2,4-DNPH
2.Acetaldehyde 2,4-DNPH
3.Acetone 2,4-DNPH
4.Acrolein 2,4-DNPH
5.Propionaldehyde 2,4-DNPH
6.Crotonaldehyde 2,4-DNPH
7.Methylethylketone 2,4-DNPH
8.Isobutyraldehyde 2,4-DNPH
9.Benzaldehyde 2,4-DNPH
10.n-Valeraldehyde 2,4-DNPH
11.p-Tolualdehyde 2,4-DNPH
12.Capronaldehyde 2,4-DNPH

多環芳香族炭化水素

Polyaromatic hydrocarbons

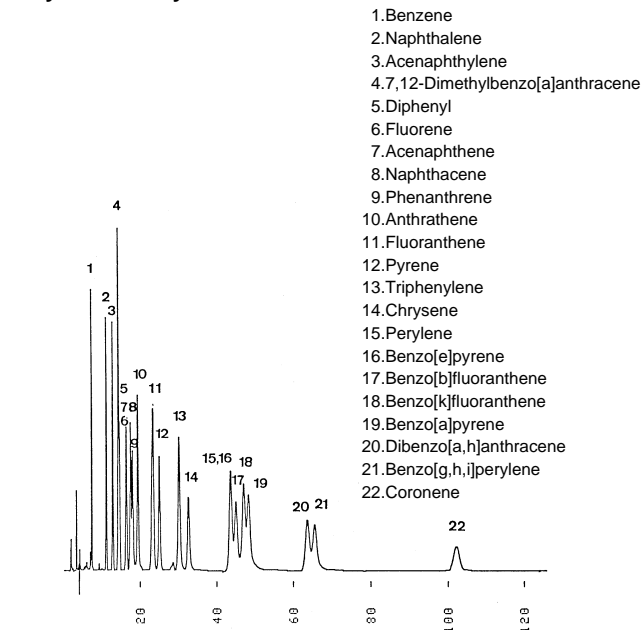


(K930918A)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
250 x 4.6 mm I.D.
Eluent : acetonitrile/water (65/35)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.08 AUFS
Injection : 7 μ L

多環芳香族炭化水素

Polyaromatic hydrocarbons

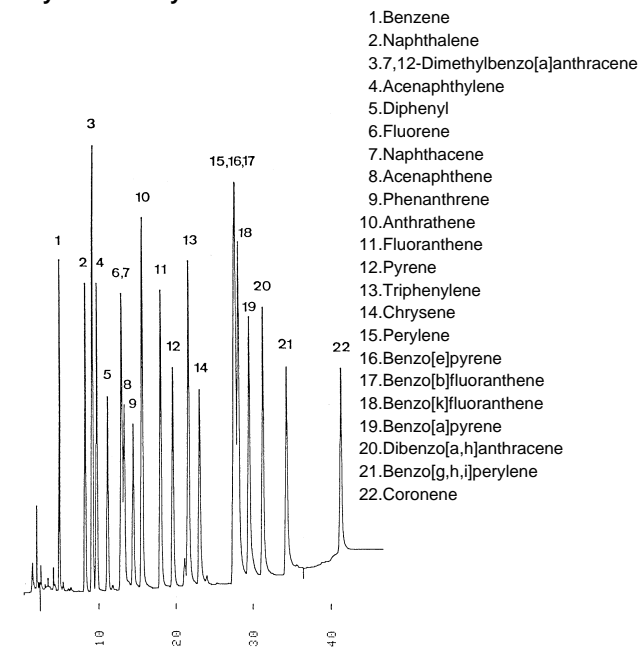


(K930918B)

Column : J'sphere ODS-M80 (4 μ m, 8nm)
250 x 4.6 mm I.D.
Eluent : acetonitrile/water (65/35)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.08 AUFS
Injection : 7 μ L

多環芳香族炭化水素

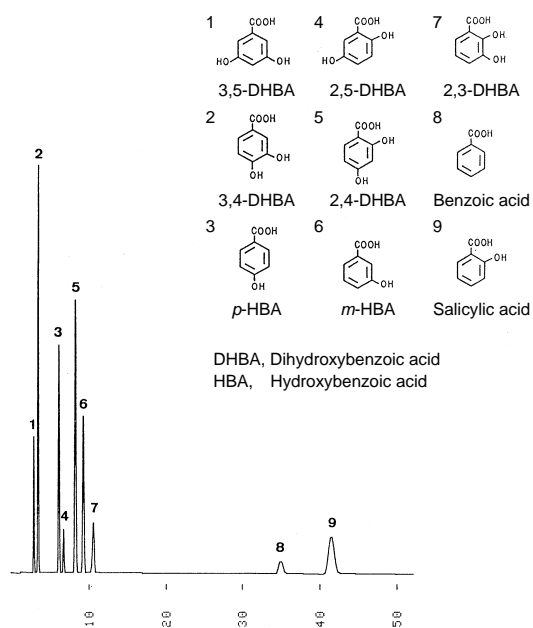
Polyaromatic hydrocarbons



(K930918C)

Column : J'sphere ODS-H80 (4 μ m, 8nm)
150 x 4.6 mm I.D.
Eluent : A) acetonitrile/water (50/50)
B) acetonitrile
30%B (0-5min), 30-100%B (5-40min), 100%B (40-50min)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.08 AUFS
Injection : 7 μ L

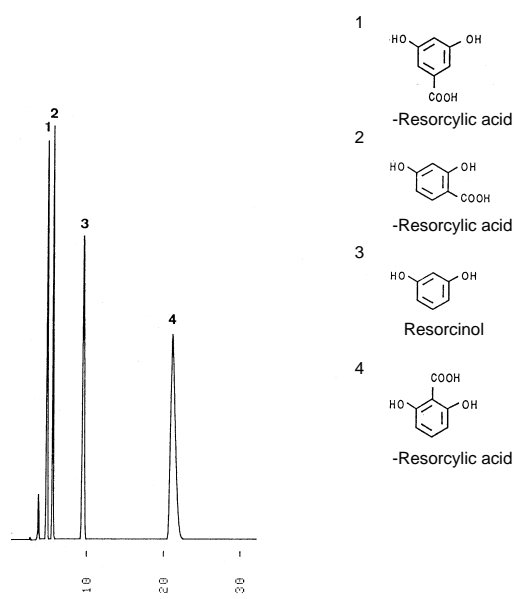
ヒドロキシ安息香酸
Hydroxybenzoic acids



(O940530D)

Column : J'sphere ODS-H80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile/water/acetic acid (5/90/5)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 285 nm, 0.16 AUFS
Injection : 5 μL (0.1 mg/mL)

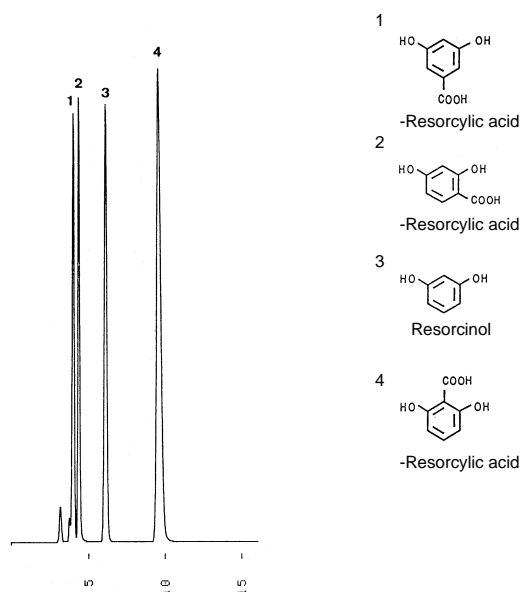
レゾルシン酸異性体
Resorcylic acid isomers



(O940607C)

Column : YMC-Pack C₈ (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : methanol/100mM KH₂PO₄ (10/90)
Flow rate : 0.8 mL/min
Temperature : 37
Detection : UV at 285 nm, 0.16 AUFS
Injection : 10 μL (0.05 ~ 0.4 mg/mL)

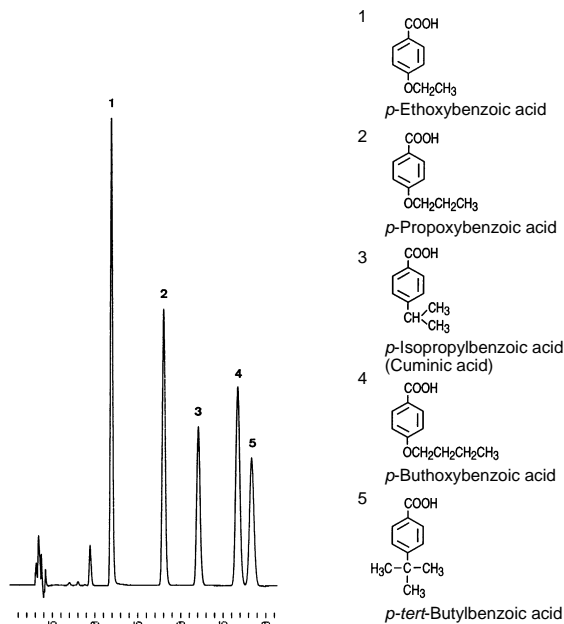
レゾルシン酸異性体
Resorcylic acid isomers



(O940606J)

Column : YMC-Pack Ph (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : methanol/100mM KH₂PO₄ (10/90)
Flow rate : 0.8 mL/min
Temperature : 37
Detection : UV at 285 nm, 0.16 AUFS
Injection : 10 μL (0.05 ~ 0.4 mg/mL)

安息香酸誘導体
Benzoic acid derivatives

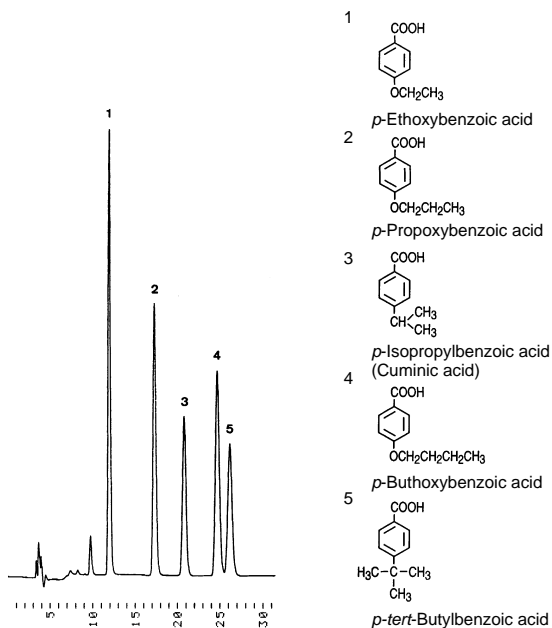


(O950511B)

Column : J'sphere ODS-M80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : tetrahydrofuran/water/acetic acid (40/60/1)
Flow rate : 0.5 mL/min
Temperature : ambient (26)
Detection : UV at 260 nm, 0.32 AUFS
Injection : 10 μL (0.04 ~ 0.2 mg/mL)

安息香酸誘導体

Benzoic acid derivatives

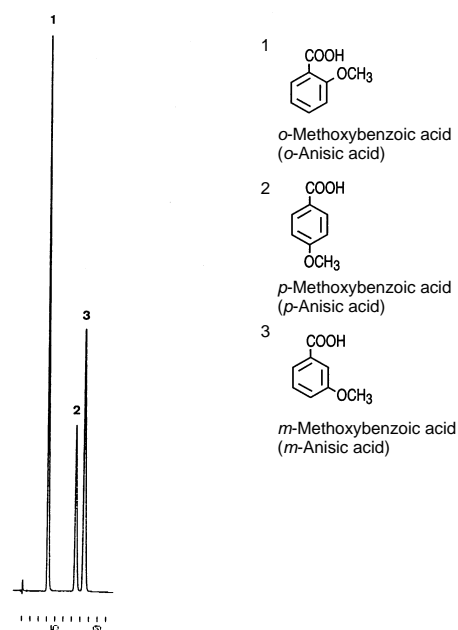


(O950511C)

Column : J'sphere ODS-L80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : tetrahydrofuran/water/acetic acid (40/60/1)
Flow rate : 0.5 mL/min
Temperature : ambient (26)
Detection : UV at 260 nm, 0.32 AUFS
Injection : 10 μL (0.04 ~ 0.2 mg/mL)

メトキシ安息香酸異性体

Methoxybenzoic acid isomers

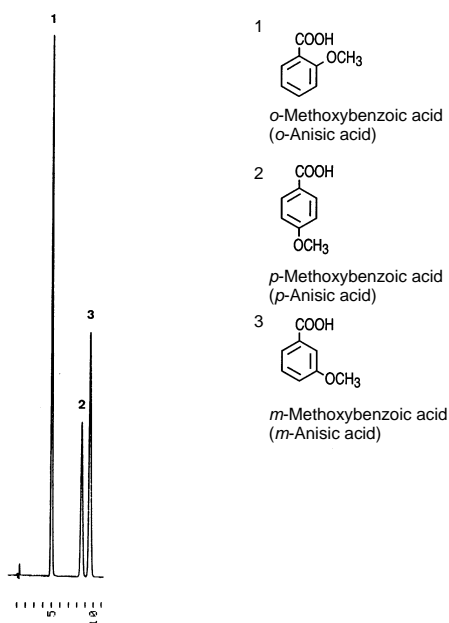


(O950508A)

Column : J'sphere ODS-H80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : acetonitrile/water/acetic acid (20/80/1)
Flow rate : 1.0 mL/min
Temperature : ambient (25)
Detection : UV at 285 nm, 0.16 AUFS
Injection : 10 μL (0.17 mg/mL)

メトキシ安息香酸異性体

Methoxybenzoic acid isomers

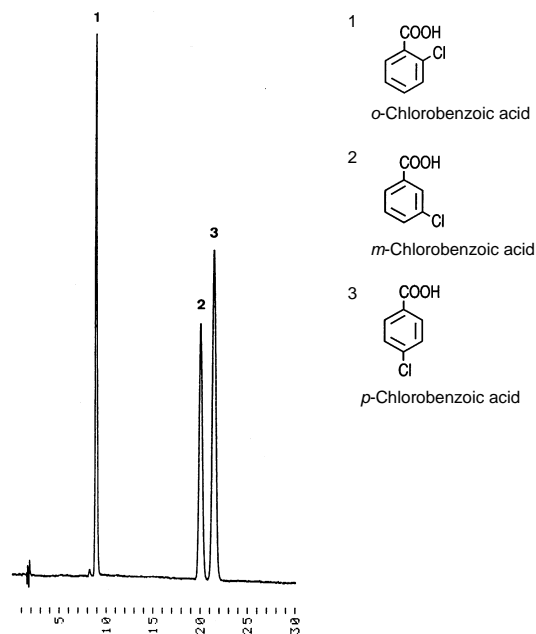


(O950508B)

Column : J'sphere ODS-M80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : acetonitrile/water/acetic acid (20/80/1)
Flow rate : 1.0 mL/min
Temperature : ambient (25)
Detection : UV at 285 nm, 0.16 AUFS
Injection : 10 μL (0.17 mg/mL)

クロロ安息香酸異性体

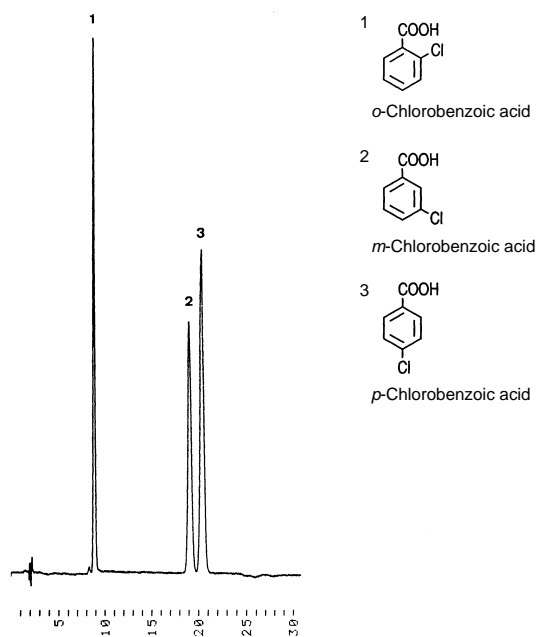
Chlorobenzoic acid isomers



(O950509B)

Column : J'sphere ODS-H80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile/water/acetic acid (25/75/1)
Flow rate : 1.0 mL/min
Temperature : ambient (27)
Detection : UV at 270 nm, 0.04 AUFS
Injection : 10 μL (0.17 mg/mL)

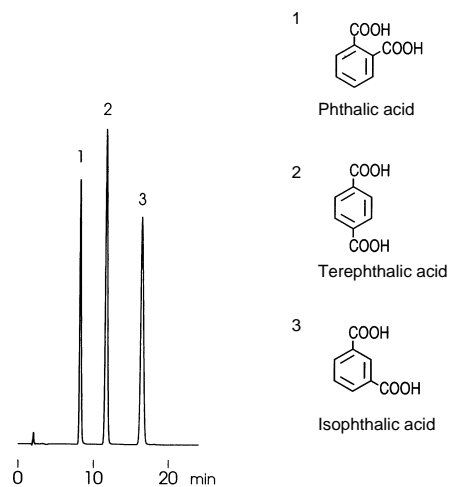
クロロ安息香酸異性体
Chlorobenzoic acid isomers



(O950509D)

Column : YMC-Pack ODS-AM (5 μ m, 12nm)
 150 × 4.6 mm I.D.
 Eluent : acetonitrile/water/acetic acid (25/75/1)
 Flow rate : 1.0 mL/min
 Temperature : ambient (27)
 Detection : UV at 270 nm, 0.04 AUFS
 Injection : 10 μ L (0.17 mg/mL)

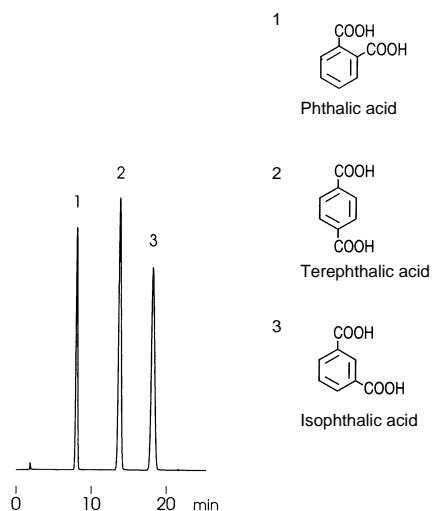
フタル酸異性体
Phthalic acid isomers



(A971112B)

Column : YMC-Pack Pro C18 (5 μ m, 12nm)
 150 × 3.0 mm I.D.
 Eluent : methanol/10mM H₃PO₄ (25/75)
 Flow rate : 0.4 mL/min
 Temperature : 37
 Detection : UV at 254 nm, 0.16 AUFS
 Injection : 4 μ L (0.05 ~ 0.5 mg/mL)

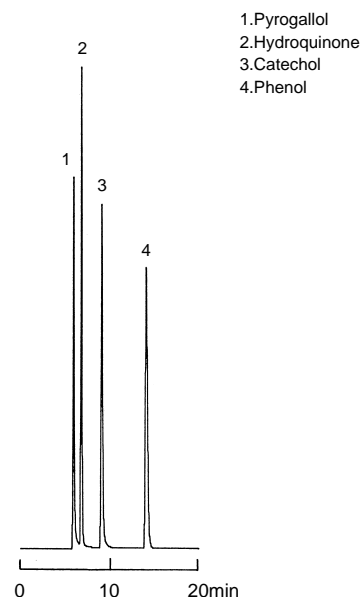
フタル酸異性体
Phthalic acid isomers



(A971112A)

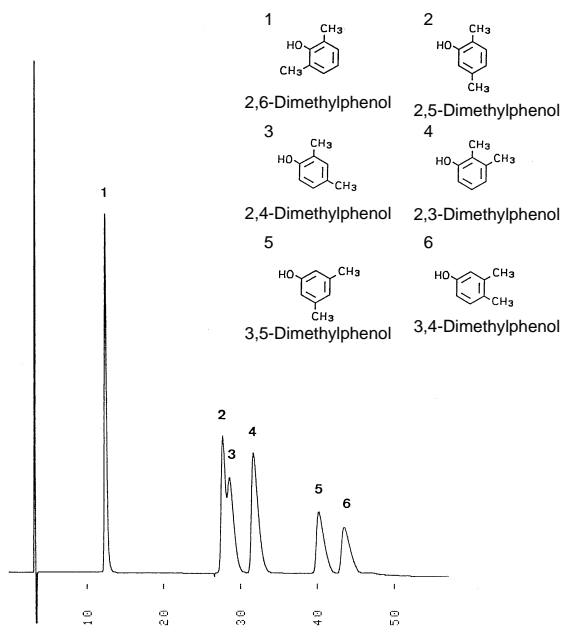
Column : YMC-Pack ODS-AQ (5 μ m, 12nm)
 150 × 4.6 mm I.D.
 Eluent : methanol/10mM H₃PO₄ (25/75)
 Flow rate : 1.0 mL/min
 Temperature : 37
 Detection : UV at 254 nm, 0.16 AUFS
 Injection : 10 μ L (0.05 ~ 0.5 mg/mL)

ポリフェノール
Polyphenols



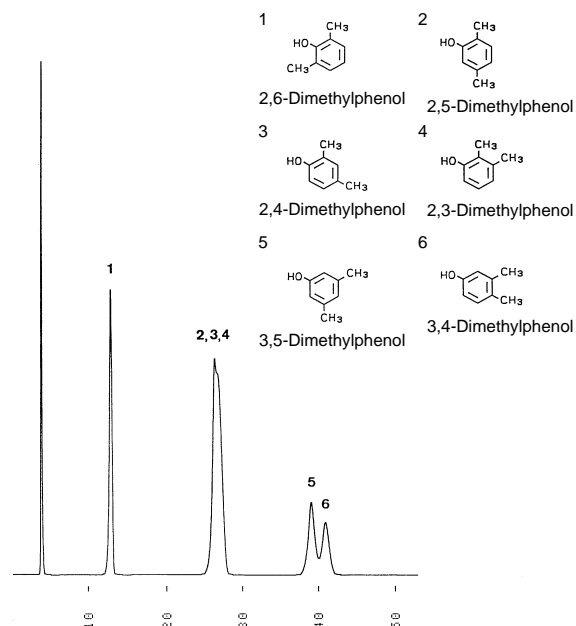
(H890627A)

Column : YMC-Pack Ph (5 μ m, 12nm)
 250 × 4.6 mm I.D.
 Eluent : 5mM acetic acid
 Flow rate : 1.0 mL/min
 Temperature : 25
 Detection : UV at 280 nm, 0.32 AUFS
 Injection : 20 μ L

ジメチルフェノール異性体
Dimethylphenol isomers

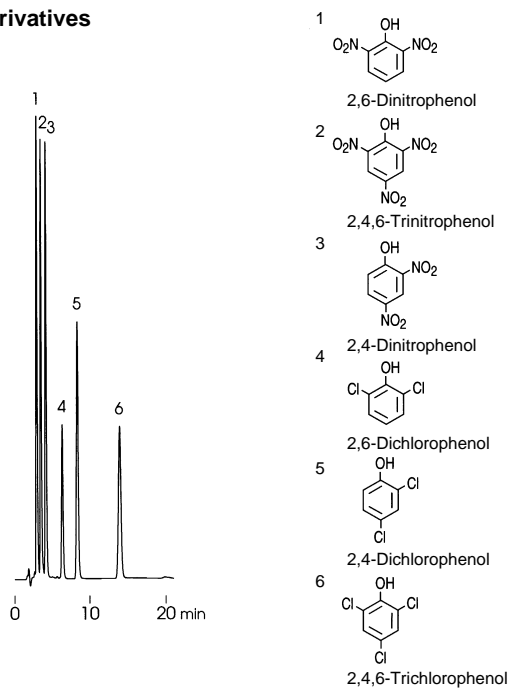
(T921019B)

Column : YMC-Pack Polyamine II
250 × 4.6 mm I.D.
Eluent : 20% ethyl acetate in hexane
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 254 nm, 0.08 AUFS
Injection : 20 μL (0.33 mg/mL)

ジメチルフェノール異性体
Dimethylphenol isomers

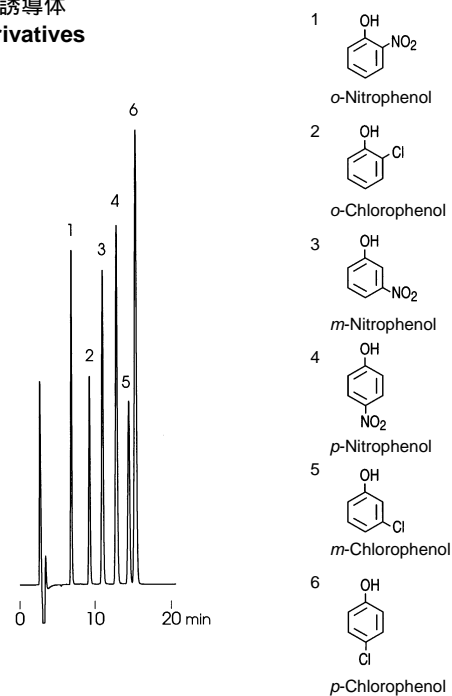
(T921020C)

Column : YMC-Pack NH₂ (5 μm, 12nm)
250 × 4.6 mm I.D.
Eluent : 10% ethyl acetate in hexane
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 254 nm, 0.08 AUFS
Injection : 20 μL (0.33 mg/mL)

フェノール誘導体
Phenol derivatives

(O950616I)

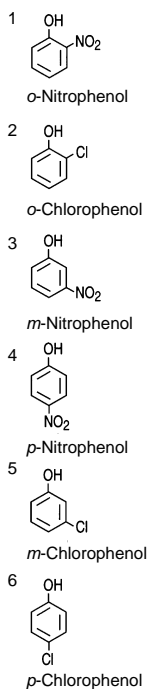
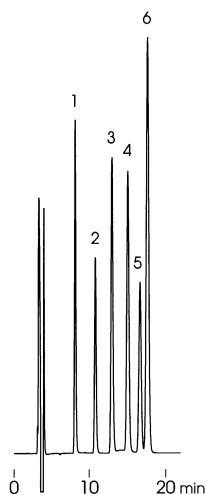
Column : J'sphere ODS-H80 (4 μm, 8nm)
75 × 4.6 mm I.D.
Eluent : 2-propanol/water/TFA (40/60/0.1)
Flow rate : 0.4 mL/min
Temperature : 37
Detection : UV at 230 nm, 0.13 AUFS
Injection : 5 μL (0.04 mg/mL)

フェノール誘導体
Phenol derivatives

(O950614C)

Column : J'sphere ODS-H80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : tetrahydrofuran/water/acetic acid (35/65/1)
Flow rate : 0.5 mL/min
Temperature : 37
Detection : UV at 240 nm, 0.13 AUFS
Injection : 4 μL (0.08 mg/mL)

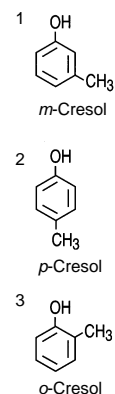
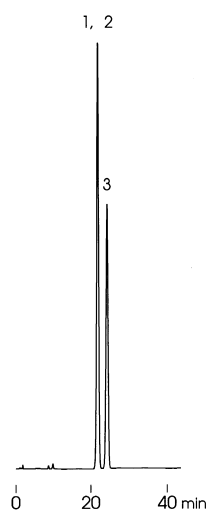
フェノール誘導体
Phenol derivatives



(O950614F)

Column : YMC-Pack ODS-AM (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : tetrahydrofuran/water/acetic acid (35/65/1)
Flow rate : 0.5 mL/min
Temperature : 37
Detection : UV at 240 nm, 0.13 AUFS
Injection : 4 μL (0.08 mg/mL)

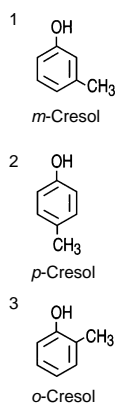
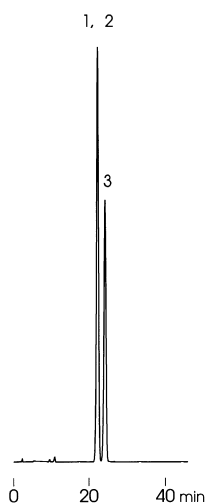
クレゾール異性体
Cresol isomers



(O951025B)

Column : J'sphere ODS-H80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile/water (18/82)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.064 AUFS
Injection : 10 μL (0.3 mg/mL)

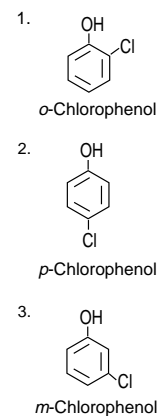
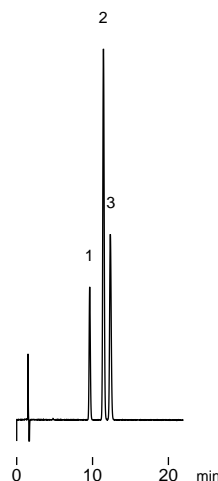
クレゾール異性体
Cresol isomers



(O951025C)

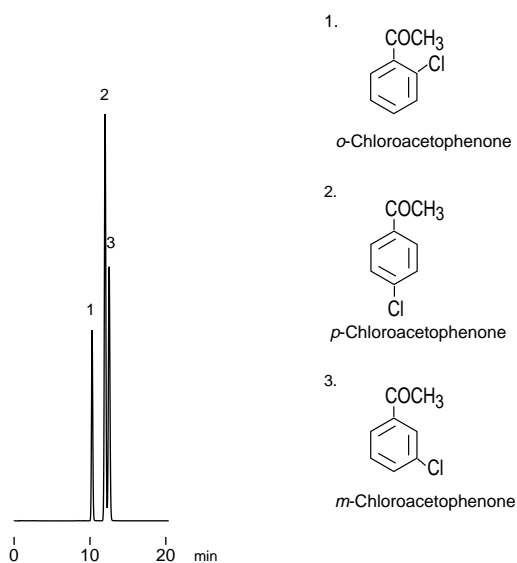
Column : J'sphere ODS-M80 (4 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile/water (18/82)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 260 nm, 0.064 AUFS
Injection : 10 μL (0.3 mg/mL)

クロロフェノール異性体
Chlorophenol isomers



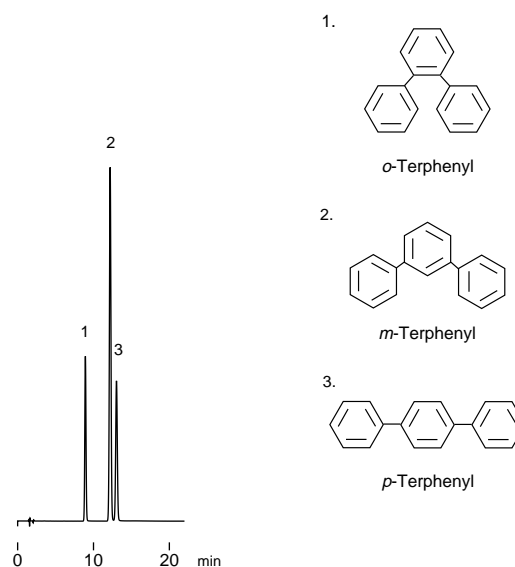
(J011113D)

Column : YMC-Pack Pro C18 RS (5 μm, 8nm)
150 × 4.6 mm I.D.
Eluent : acetonitrile/water/acetic acid (30/70/1)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 230 nm, 0.32 AUFS
Injection : 10 μL (0.1 ~ 0.2 mg/mL)

クロロアセトフェノン異性体
Chloroacetophenone isomers

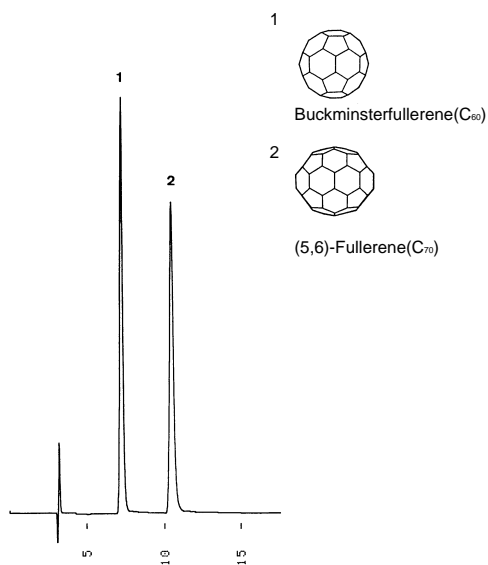
(J011026B)

Column : YMC-Pack Pro C18 RS (5 μ m, 8nm)
150 \times 4.6 mm I.D.
Eluent : acetonitrile/water (40/60)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 254 nm, 0.32 AUFS
Injection : 8.0 μ L (0.05 ~ 0.1 μ L/mL)

ターフェニル異性体
Terphenyl isomers

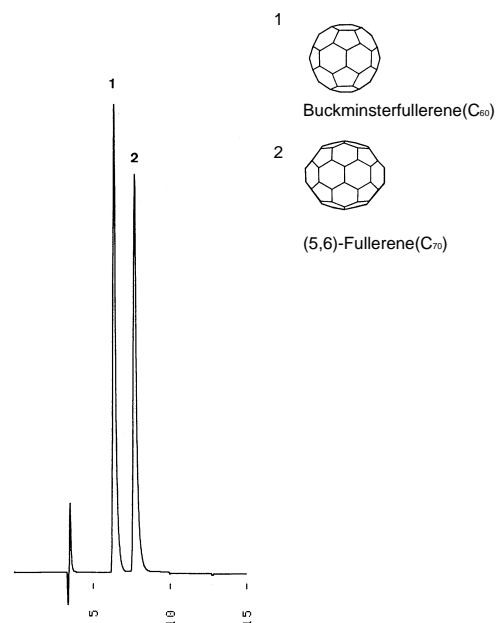
(J020719E)

Column : YMC-Pack Pro C18 RS (5 μ m, 8nm)
150 \times 4.6 mm I.D.
Eluent : methanol/water (85/15)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.16 AUFS
Injection : 10 μ L (0.02 mg/mL)

フラーレン同族体
Fullerenes

(S930119B)

Column : YMC-Pack ODS-A (5 μ m, 12nm)
150 \times 6.0 mm I.D.
Eluent : hexane/2-propanol (70/30)
Flow rate : 1.0 mL/min
Temperature : ambient (25)
Detection : UV at 350 nm, 0.08 AUFS
Injection : 4 μ L (0.125 mg/mL)

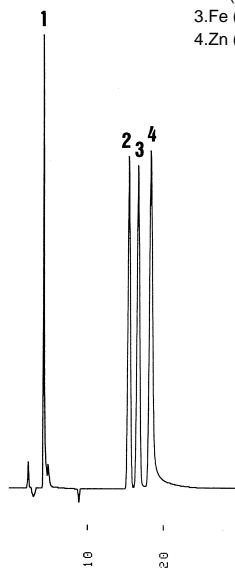
フラーレン同族体
Fullerenes

(S930128B)

Column : YMC-Pack Ph (5 μ m, 12nm)
150 \times 6.0 mm I.D.
Eluent : hexane/2-propanol (50/50)
Flow rate : 1.0 mL/min
Temperature : ambient (25)
Detection : UV at 350 nm, 0.08 AUFS
Injection : 4 μ L (0.125 mg/mL)

1-(2-ピリジルアゾ)-2-ナフトール(PAN)金属キレート
Metal-PAN chelates

- 1.Co ()-1-(2-Pyridylazo)-2-naphthol
- 2.Ni ()-1-(2-Pyridylazo)-2-naphthol
- 3.Fe ()-1-(2-Pyridylazo)-2-naphthol
- 4.Zn ()-1-(2-Pyridylazo)-2-naphthol

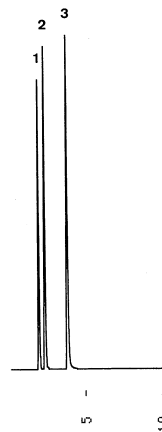


(T910520A)

Column : YMC-Pack ODS-AM (5 μ m, 12nm)
150 × 6.0 mm I.D.
Eluent : acetonitrile/water (70/30) containing 0.01% PAN
and 10mM tetrabutylammonium bromide
Flow rate : 1.0 mL/min
Temperature : 30
Detection : VIS at 565 nm, 0.08 AUFS
Injection : 12 μ L (25 ~ 92 μ g/mL)

配位性化合物
Coordination compounds

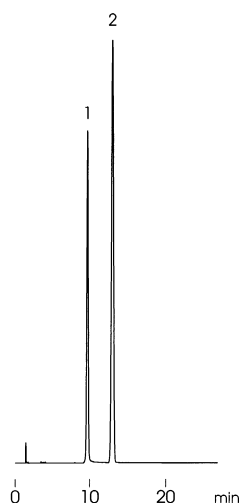
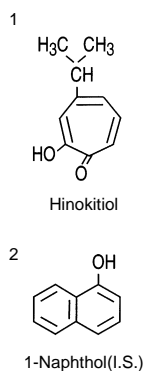
1. Uracil
2. Acetylacetone
3. 8-Quinolinol



(M910604I)

Column : YMC-Pack ODS-AM (5 μ m, 12nm)
150 × 4.6 mm I.D.
Eluent : 20mM KH₂PO₄ - K₂HPO₄ (pH7.6)/methanol (40/60)
Flow rate : 1.0 mL/min
Temperature : 40
Detection : UV at 254 nm, 0.32 AUFS

ヒノキチオール
Hinokitiol

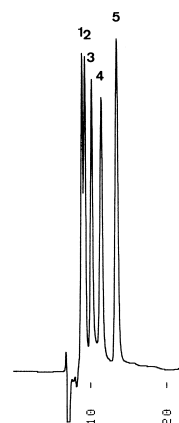


(O960507F)

Column : YMC-Pack ODS-AM (5 μ m, 12nm)
150 × 4.6 mm I.D.
Eluent : 20mM NH₄H₂PO₄ containing 1mM EDTA·2Na/acetonitrile (65/35)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 320 nm, 0.16 AUFS
Injection : 10 μ L (0.08, 0.25 mg/mL)

アミノアルコール
Aminoalcohols

- 1.Ethanolamine
- 2.Diethanolamine
- 3.N-Methylethanolamine
- 4.Triethanolamine
- 5.N,N-Dimethylethanolamine

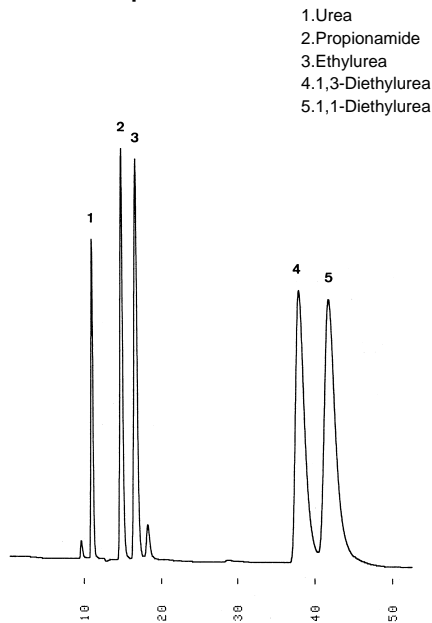


(M920124B)

Column : YMC-Pack PolymerC18
250 × 6.0 mm I.D.
Eluent : 100mM Na₂HPO₄/100mM NaOH (60/40, pH 12.0)
Flow rate : 0.6 mL/min
Temperature : 20
Detection : UV at 215 nm, 0.32 AUFS
Injection : 50 μ L (0.2 ~ 3.0 mg/mL)

尿素及び関連化合物

Urea and related compounds



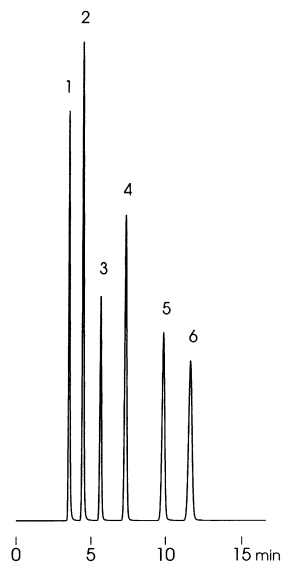
1. Urea
2. Propionamide
3. Ethylurea
4. 1,3-Diethylurea
5. 1,1-Diethylurea

(M920108A)

Column : YMC-Pack PolymerC18
250 × 6.0 mm I.D.
Eluent : 0.4% HClO₄ (pH 1.3)
Flow rate : 0.5 mL/min
Temperature : 25
Detection : UV at 210 nm, 0.32 AUFS
Injection : 15 μL (0.4 ~ 7.5 mg/mL)

芳香族アミン

Aromatic amines



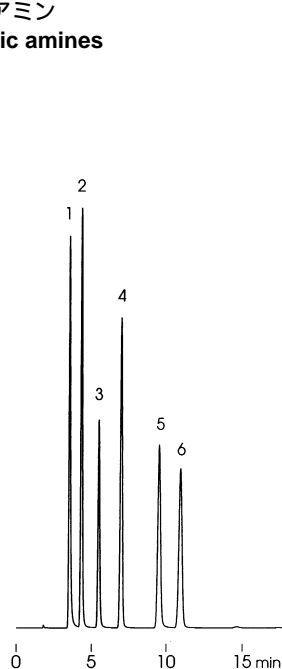
- 1 Nc1ccc(N)cc1
p-Phenylenediamine
- 2 Nc1ccc(O)cc1
p-Aminophenol
- 3 Nc1cccc(N)c1
m-Phenylenediamine
- 4 Nc1cccc(O)c1
m-Aminophenol
- 5 Nc1ccccc1N
o-Phenylenediamine
- 6 Nc1ccccc1O
o-Aminophenol

(S961007C)

Column : YMC-Pack Pro C18 (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 50mM NH₄H₂PO₄ - (NH₄)₂HPO₄ (pH 6.7)/methanol (95/5)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.26 AUFS
Injection : 5 μL (0.125 ~ 0.5 mg/mL)

芳香族アミン

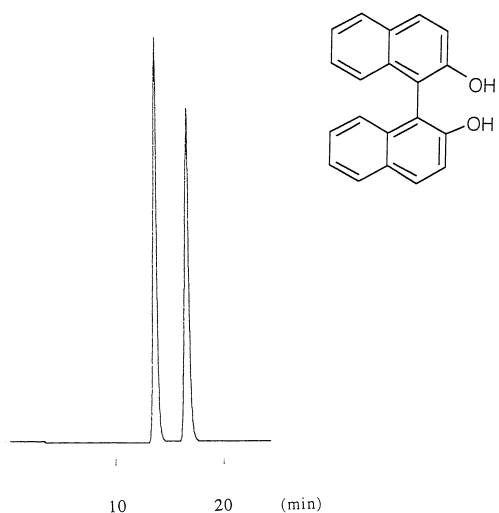
Aromatic amines



- 1 Nc1ccc(N)cc1
p-Phenylenediamine
- 2 Nc1ccc(O)cc1
p-Aminophenol
- 3 Nc1cccc(N)c1
m-Phenylenediamine
- 4 Nc1cccc(O)c1
m-Aminophenol
- 5 Nc1ccccc1N
o-Phenylenediamine
- 6 Nc1ccccc1O
o-Aminophenol

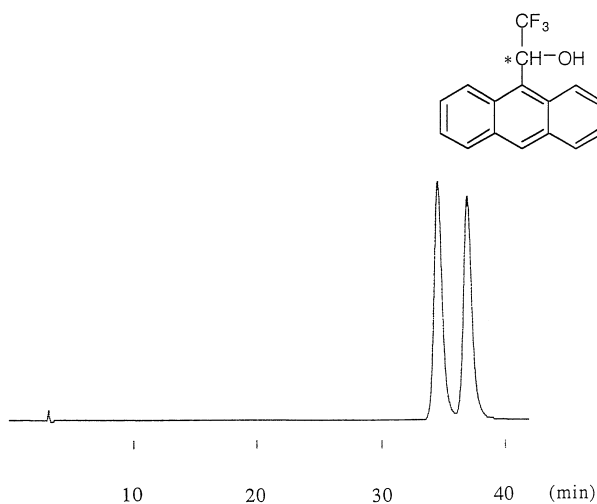
(S961004E)

Column : YMC-Pack ODS-AM (5 μm, 12nm)
150 × 4.6 mm I.D.
Eluent : 50mM NH₄H₂PO₄ - (NH₄)₂HPO₄ (pH 6.7)/methanol (95/5)
Flow rate : 1.0 mL/min
Temperature : 37
Detection : UV at 254 nm, 0.26 AUFS
Injection : 5 μL (0.125 ~ 0.5 mg/mL)

ピナフトール
1,1'-Bi-2-naphthol

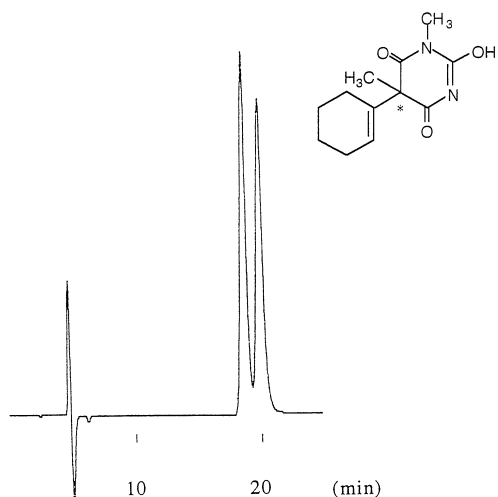
(N020605A)

Column : YMC CHIRAL NEA (R)
250 × 4.6 mm I.D.
Eluent : acetonitrile/water (50/50)
Flow rate : 1.0 mL/min
Temperature : ambient
Detection : UV at 235 nm
Injection : 1 μL (2.8 mg/mL)

トリフルオロアンズリルエタノール
2,2,2-Trifluoro-1-(9-anthryl)-ethanol

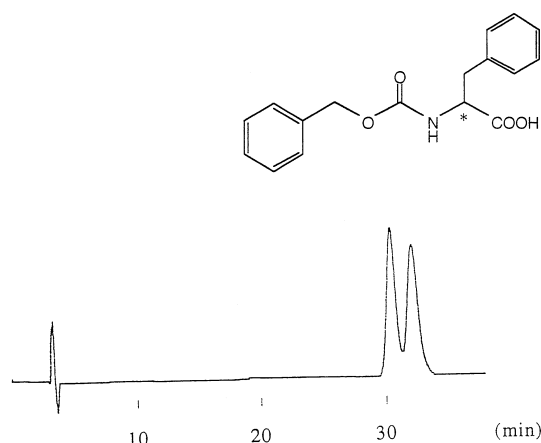
(N020605B)

Column : YMC CHIRAL NEA (R)
250 × 4.6 mm I.D.
Eluent : acetonitrile/water (40/60)
Flow rate : 1.0 mL/min
Temperature : ambient
Detection : UV at 254 nm
Injection : 1 μL (0.14 mg/mL)

ヘキサバルビタール
Hexobarbital

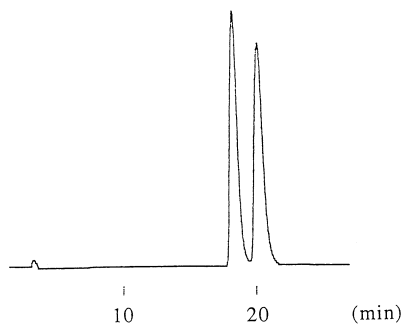
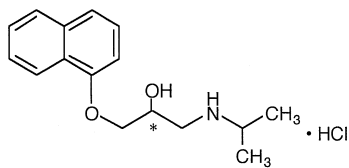
(N020605C)

Column : YMC CHIRAL NEA (R)
250 × 4.6 mm I.D.
Eluent : acetonitrile/water (30/70)
Flow rate : 0.7 mL/min
Temperature : ambient
Detection : UV at 210 nm
Injection : 1 μL (1.2 mg/mL)

CBZ-フェニルアラニン
CBZ-Phenylalanine(Z-Phe-OH)

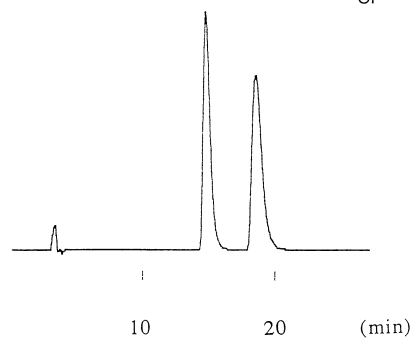
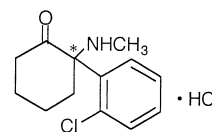
(N020605D)

Column : YMC CHIRAL NEA (R)
250 × 4.6 mm I.D.
Eluent : 0.5M NaClO₄ - HClO₄ (pH 2.0)/acetonitrile (70/30)
Flow rate : 1.0 mL/min
Temperature : ambient
Detection : UV at 254 nm
Injection : 10 μL (1.5 mg/mL)

塩酸プロプラノロール
Propranolol hydrochloride

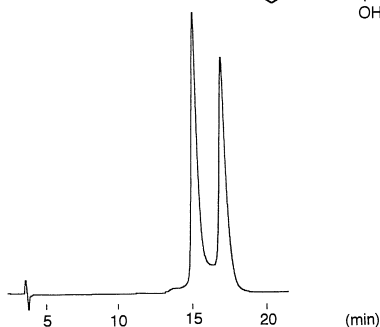
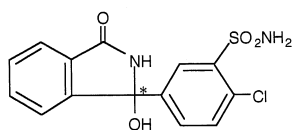
(N020605E)

Column : YMC CHIRAL NEA (R)
250 × 4.6 mm I.D.
Eluent : acetonitrile/0.5M NaClO₄ (40/60)
Flow rate : 1.0 mL/min
Temperature : ambient
Detection : UV at 254 nm
Injection : 5 μL (1.5 mg/mL)

塩酸ケタミン
Ketamine hydrochloride

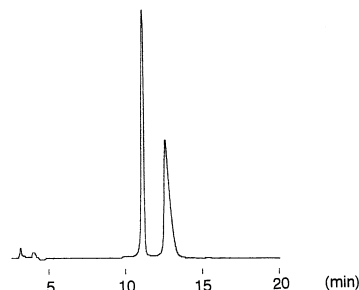
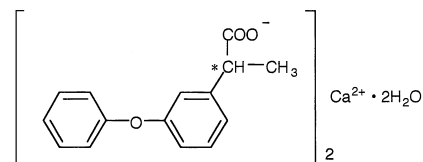
(N020605F)

Column : YMC CHIRAL NEA (R)
250 × 4.6 mm I.D.
Eluent : acetonitrile/0.5M NaClO₄ (40/60)
Flow rate : 1.0 mL/min
Temperature : ambient
Detection : UV at 268 nm
Injection : 10 μL (1.4 mg/mL)

クロルタリドン
Chlorthalidone

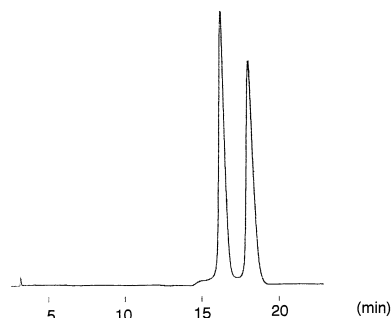
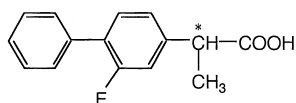
(N020605G)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : water/acetic acid (100/1)
Flow rate : 1.0 mL/min
Temperature : 25
Detection : UV at 254 nm
Injection : 2 μL (1 mg/mL)

フェノプロフェンカルシウム
Fenoprofen calcium salt; hydrate

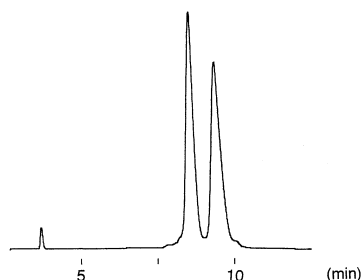
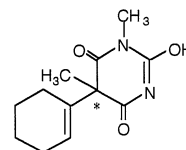
(N020605H)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.53M AcOH - 0.53M TEA (pH 4.0)/acetonitrile (10/90)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 25
Detection : UV at 254 nm
Injection : 5 μL (1 mg/mL)

フルルビプロフェン
Flurbiprofen

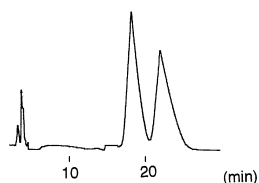
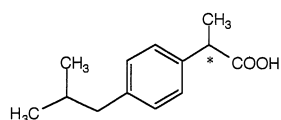
(N020605I)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.53M AcOH - 0.53M TEA (pH 4.0)/acetonitrile (10/90)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 25
Detection : UV at 254 nm
Injection : 2 μL (1 mg/mL)

ヘキソバルビタール
Hexobarbital

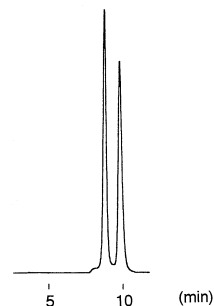
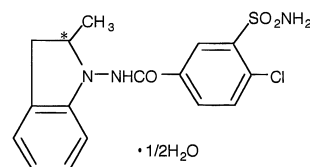
(N020605J)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.2M AcOH - 0.2M TEA (pH 5.6)/methanol (70/30)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 254 nm
Injection : 5 μL (1 mg/mL)

イブプロフェン
Ibuprofen

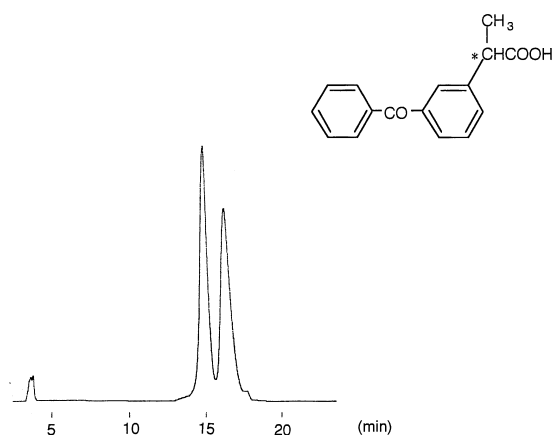
(N020605K)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.1M AcOHaq - TEAaq (pH 4.0)/acetonitrile (10/90)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 25
Detection : UV at 254 nm
Injection : 20 μL (2 mg/mL)

インダパミド
Indapamide

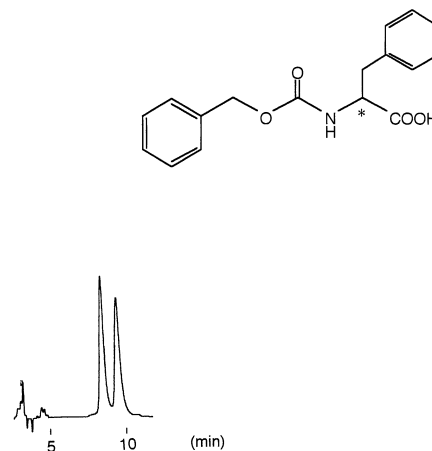
(N020605L)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.2M AcOH - 0.2M TEA (pH 5.6)/acetonitrile (90/10)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 25
Detection : UV at 254 nm
Injection : 2 μL (1 mg/mL)

ケトプロフェン
Ketoprofen

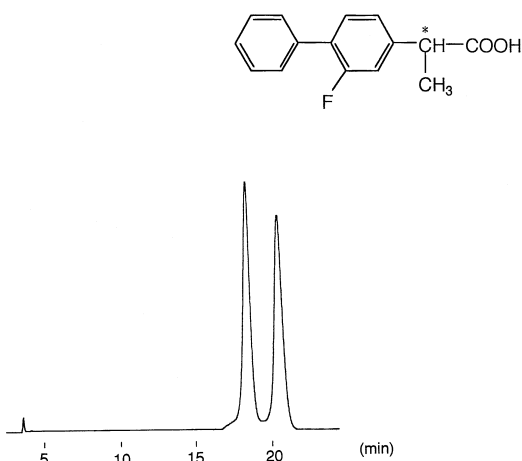
(N020605M)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.2M AcOH - 0.2M TEA (pH 5.6)/methanol (30/70)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 25
Detection : UV at 254 nm
Injection : 10 μ L (1 mg/mL)

CBZ-フェニルアラニン
CBZ-Phenylalanine (Z-Phe-OH)

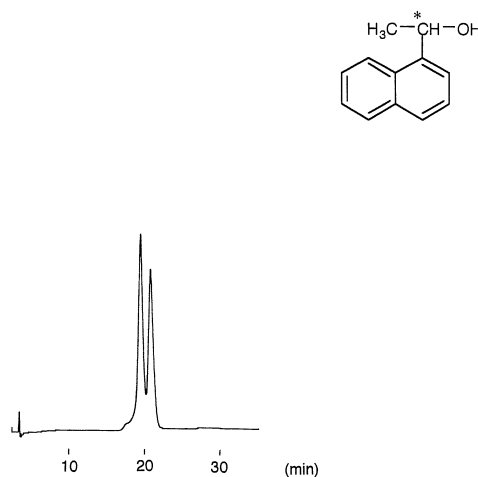
(N020605N)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.53M AcOH - 0.53M TEA (pH 4.0)/acetonitrile (40/60)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 25
Detection : UV at 254 nm
Injection : 5 μ L (1 mg/mL)

フルルビプロフェン
Flurbiprofen

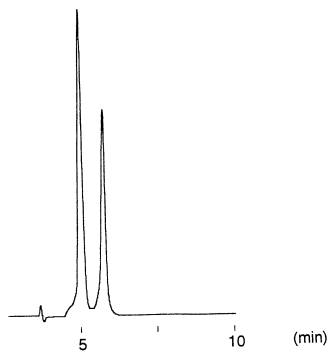
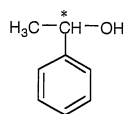
(N020605O)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.53M AcOH - 0.53M TEA (pH 4.0)/methanol (30/70)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 25
Detection : UV at 254 nm
Injection : 2 μ L (1 mg/mL)

ナフチルエチルアルコール
1-(1-Naphthyl)-ethylalcohol

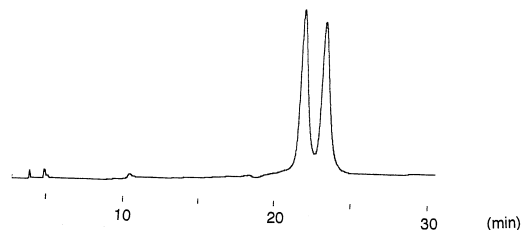
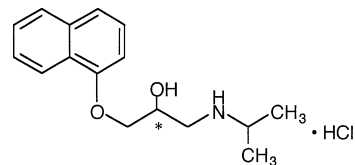
(N020605P)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.2M AcOH - 0.2M TEA (pH 5.6)/methanol (90/10)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 254 nm
Injection : 5 μ L (1 mg/mL)

フェニルエチルアルコール
Phenylethylalcohol

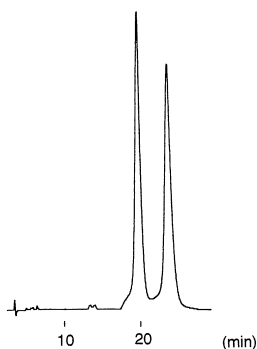
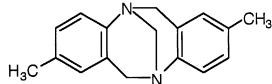
(N020605Q)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.53M AcOH - 0.53M TEA (pH 4.0)/methanol (90/10)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 254 nm
Injection : 5 μL (10 mg/mL)

塩酸プロプラノロール
Propranolol hydrochloride

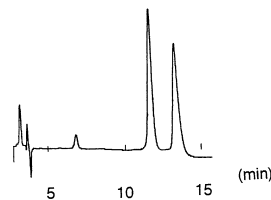
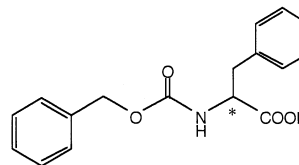
(N020605R)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : acetonitrile/methanol/acetic acid/triethylamine (99/1/0.3/0.25)
Flow rate : 1.0 mL/min
Temperature : 25
Detection : UV at 254 nm
Injection : 5 μL (1 mg/mL)

トレーガー塩基
Troger's base

(N020605S)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.2M AcOH - 0.2M TEA (pH 5.6)/acetonitrile (90/10)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 30
Detection : UV at 254 nm
Injection : 5 μL (1 mg/mL)

CBZ-フェニルアラニン
CBZ-Phenylalanine (Z-Phe-OH)

(N020605T)

Column : YMC CHIRAL -CD BR
250 × 4.6 mm I.D.
Eluent : 0.53M AcOH - 0.53M TEA (pH 4.0)/acetonitrile (60/40)
(TEA=triethylamine)
Flow rate : 1.0 mL/min
Temperature : 25
Detection : UV at 254 nm
Injection : 5 μL (1 mg/mL)