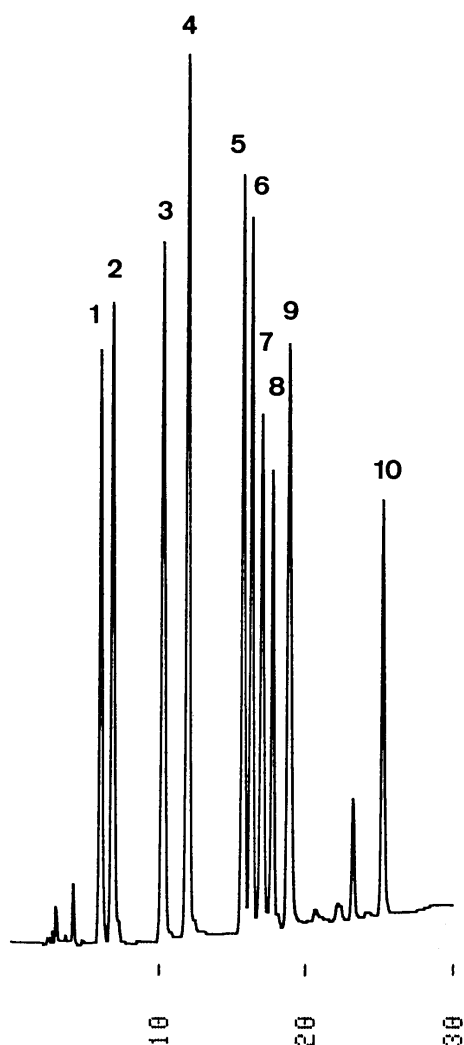


補酵素A誘導体

Coenzyme A and derivatives

S940630E



1.  $\text{HOOCCH}_2\text{CO-S-CoA}$   
Malonyl-CoA
2.  $\text{H}_2\text{NCH}(\text{COOH})\text{CH}_2\text{CH}_2\text{CONHCH}(\text{CH}_2\text{-S-S-CoA})\text{CONHCH}_2\text{COOH}$   
Coenzyme A glutathione disulfide
3.  $\text{CoASH}$   
Coenzyme A
4.  $\text{HOOCCH}(\text{CH}_3)\text{CO-S-CoA}$   
Methylmalonyl-CoA
5.  $\text{HOOCCH}_2\text{CH}_2\text{CO-S-CoA}$   
Sccinyl-CoA
6.  $\text{CH}_3\text{C}(\text{OH})(\text{CH}_2\text{COOH})\text{CO-S-CoA}$   
3-Hydroxy-3-methylglutaryl-CoA (HMG-CoA)
7.  $\text{CH}_3\text{COCH}_2\text{CO-S-CoA}$   
Acetoacetyl-CoA
8.  $\text{CH}_3\text{CO-S-CoA}$   
Acetyl-CoA
9.  $\text{CoA-S-S-CoA}$   
Coenzyme A oxidized
10.  $\text{CH}_3\text{CH}_2\text{CO-S-CoA}$   
Propionyl-CoA

Courtesy of Dr. Takamura, Ibaraki University

Column : J'sphere ODS-M80 (4  $\mu\text{m}$ , 8nm)  
150  $\times$  4.6 mm I.D.

Eluent : A)methanol/50mM  $\text{KH}_2\text{PO}_4$  (10/90)  
B)methanol/50mM  $\text{KH}_2\text{PO}_4$  (30/70)  
10%B (0-5min), 10-100%B (5-30min)

Flow rate : 0.7 mL/min

Temperature : 37  $^\circ\text{C}$

Detection : UV at 260 nm, 0.016 AUFS

Injection : 10  $\mu\text{L}$  (16.7 nmol/mL)