

Data code:

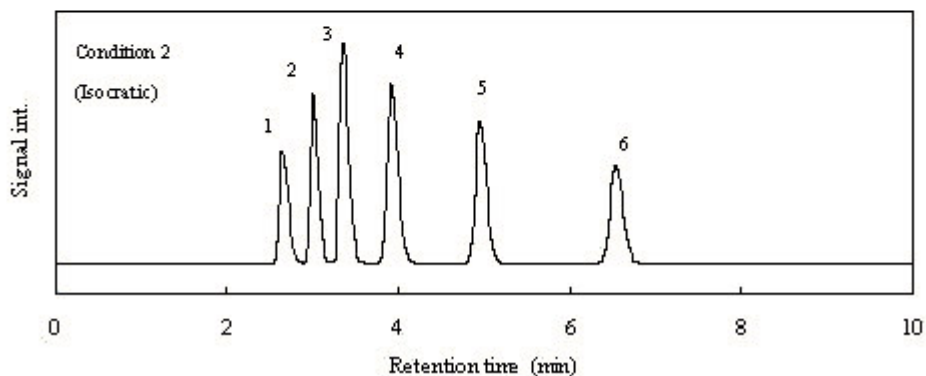
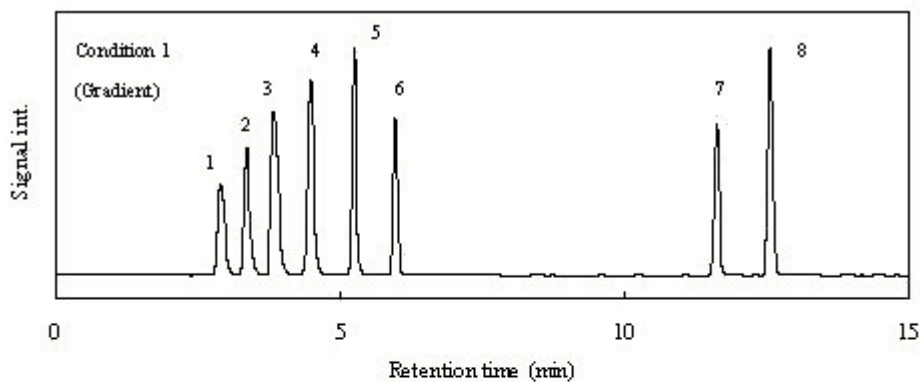
T20630

Application Title:

Separation of water-soluble vitamins by reversed phase chromatography

Compound:

- 1) L-ascorbic acid (vitamin C)
- 2) Nicotinamide
- 3) Nicotinic acid (niacin)
- 4) Thiamine (vitamin B1)
- 5) Pyridoxal
- 6) Pyridoxine (vitamin B6)
- 7) Caffeine
- 8) Riboflavin (vitamin B2)



Chromatographic conditions

Column: TSKgel ODS-100V, P/N 21455, 5 μ m, 4.6 mm ID \times 15 cm \times 1

Condition 1(Gradient)

A) 0.1% trifluoroacetic acid in water

B) 0.1%trifluoroacetic acid in acetonitrile

time(min) B(%)

Column 8:

0 0

15 30

20 30

Condition 2(Isocratic)

Chromatographic conditions

	0.1%trifluoroacetic acid in (acetonitrile/water = 1/99), UV/VIS, mL/min
Flow Rate:	1 mL/min
Detection:	UV/VIS @ 280 nm
Injection Volume:	5 μ L
Sample(s):	Standard
Reference:	TOSOH SEPARATION NOTE
Volume:	59