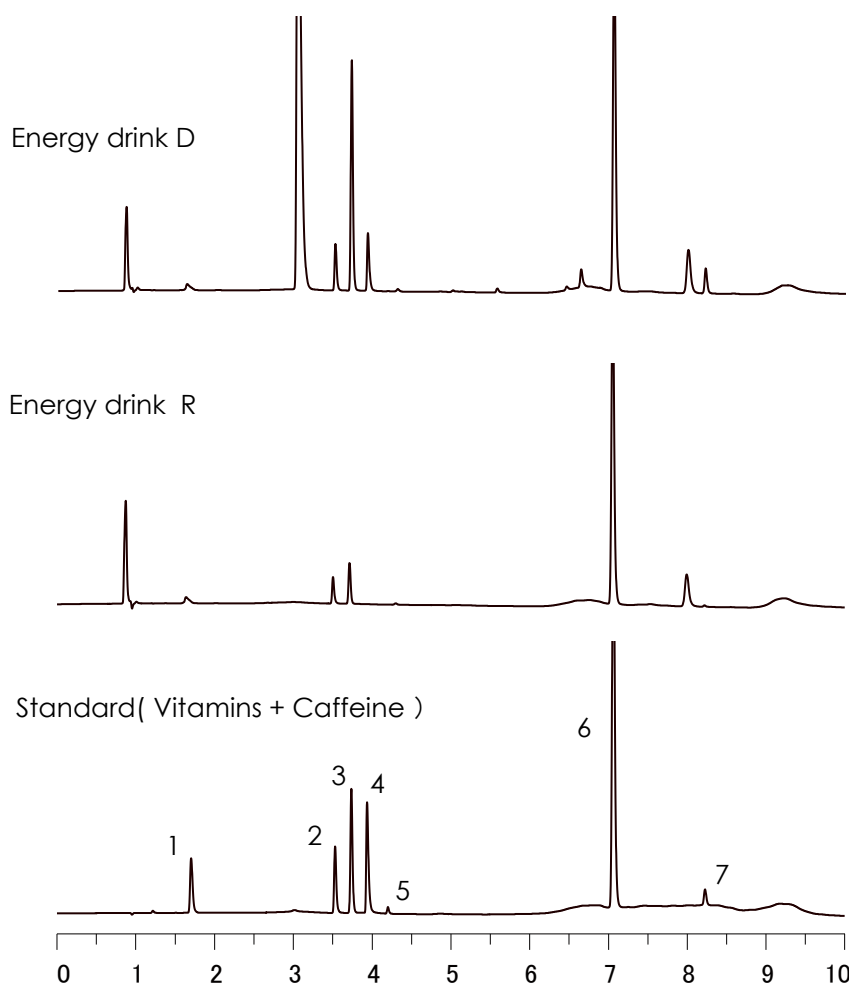


ドリンク剤中の水溶性ビタミン類の分離

Water-soluble vitamins in the drinks

SunShell RP-AQUA 2.6 μ m, 100 x 4.6 mm i.d.



- 1 NC(=O)c1cccnc1 Nicotinic acid
- 2 Cc1c(CO)c(CO)nc1 Pyridoxine HCl
Vitamin B₆
- 3 NC(=O)c1cccnc1 Nicotinamide
- 4 Cc1nc2c(ncn2CSCC1O)N Thiamine HCl
Vitamin B₁
- 5 C1=NC2=C(N1)N=CN=C2C(=O)N[C@@H]3[C@@H](C(=O)O)C[C@@H](C(=O)O)C3 Folic acid
- 6 CN1C=NC2=C1C(=O)N(C)C2=O Caffeine
- 7 Cc1c(C)nc2c(c1n2)C(=O)N[C@@H]3[C@@H](CO)C[C@@H](CO)C3 Riboflavin
Vitamin B₂

Column: SunShell RP-AQUA 2.6 μ m, 100 x 4.6 mm i.d.

Mobile phase: A) 20mM Ammonium acetate

B) Acetonitrile

Time (min)	0	8	10
%B	0	20	20

Flow rate: 1.0 mL/min

Temperature: 40 °C

Detection: UV@230 nm

Injection volume: 1 μ L

Instrument
Hitachi Chromaster®
Detector: 5410
Oven: 5310
AutoSampler: 5260
Pump: 5160

