

## アスコルビン酸とエリソルビン酸の分離

### Ascorbic acid

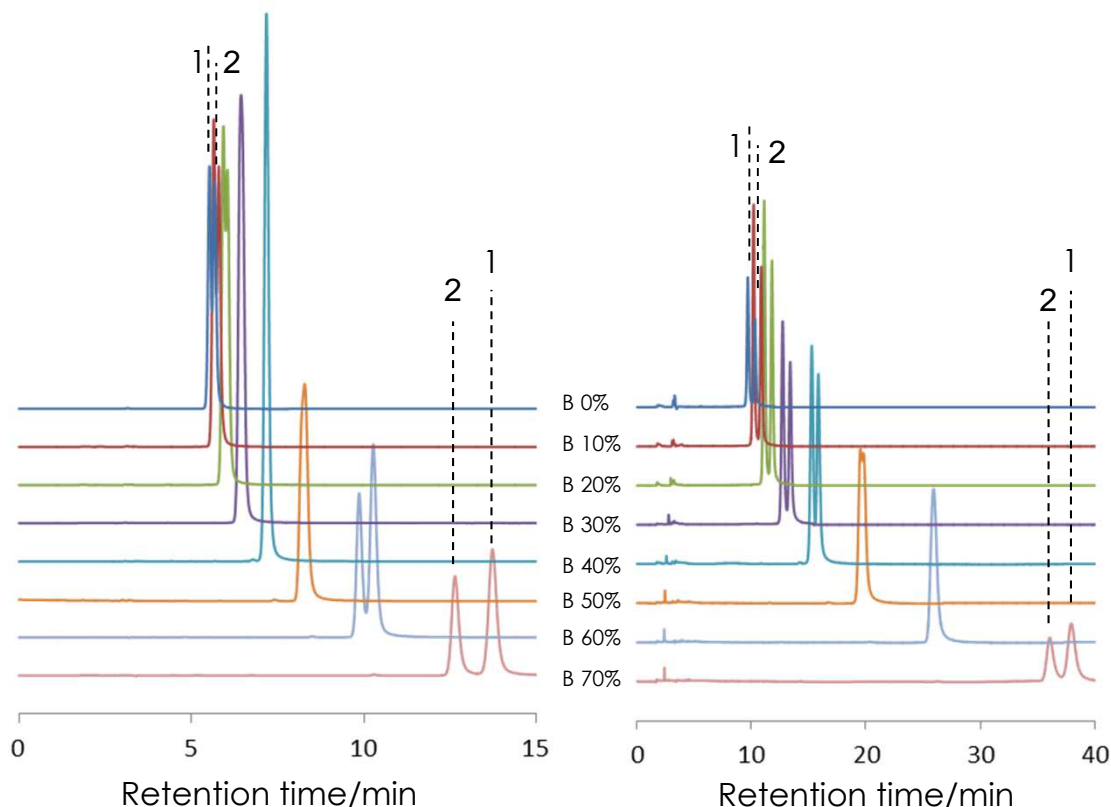
SunArmor NH2 5  $\mu$ m, 250 x 4.6 mm i.d.

A: 5% Acetic acid in water

B: 5% Acetic acid in acetonitrile

A: 1% Acetic acid in water

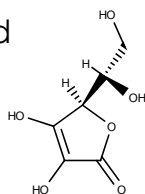
B: 1% Acetic acid in acetonitrile



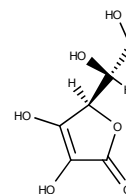
Ion exchange mode

Normal phase mode

1. Ascorbic acid



2. Erythorbic acid



Column :

SunArmor NH2, 5 $\mu$ m 250 x 4.6 mm i.d.

Mobile phase : A) (1% or 5%) Acetic acid in water

B) (1% or 5%) Acetic acid in acetonitrile

Flow rate : 1.0 mL/min

Temperature : 40 °C

Detection : UV@260 nm

Injection volume : 1  $\mu$ L

Sample : 1 = Ascorbic acid,  
2 = Erythorbic acid

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

