

Separation of Pyrimidine and Purine Bases in HILIC mode with AZURA Compact

Method VBS0035J
HPLC HILIC mode

Column: Eurospher II 100-5 HILIC, 150 x 3 mm

Order No. 15CE120E2J

Phase: Eurospher II 100-5 HILIC

Conditions: Eluent: A: 5 mM Ammonium acetate pH 4.3
B: Acetonitrile
Gradient: Isocratic 80 % B
Flow rate: 0.6 ml/min
Temperature: 25 °C
Volume: 1 µL

Detection: UVD 2.1L with 10 mm flow cell: 254 nm, 20 Hz, 0,5 s

Substances: 3,5- Di-tert-butyltoluene (9.2 mg/ml) dead time marker, Adenine (0.15 mg/ml), Cytosine (0.20 mg/ml), Uracil (0.14 mg/ml)

Keywords: HILIC, AZURA Compact, Eurospher II HILIC, Purine, Pyrimidine

Chromatogram:

1 3,5- Di-tert-butyltoluene
(9.2 mg/ml)

2 Uracil
(0.14 mg/ml)

3 Adenine
(0.15 mg/ml)

4 Cytosine
(0.20 mg/ml)

