

## Separation of Hydroxybenzoic acids with AZURA Compact

**Method** HPLC  
**HILIC Mode** VPH0060J

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

**Order No.** 15CE120E2J

**Phase:** Eurospher II 100-5 HILIC

**Conditions:** Eluent: A: 5 mM NH<sub>4</sub>-acetate pH 4.78  
B: Acetonitrile  
Gradient: Isocratic 90 % B  
Flow rate: 1.0 ml/min  
Temperature: 25 °C  
Volume: 1 µl

**Detection:** UVD 2.1L with 10 mm flow cell: 210 nm, 20 Hz, 0,05 s

**Substances:** 2,4-Dihydroxybenzoic acid , 2,6-Dihydroxybenzoic acid, 3,5-Dihydroxybenzoic acid, 4-Hydroxybenzoic acid, Benzoic acid, Salicylic acid

**Keywords:** Hydroxybenzoic acids

### Chromatogram:

- 1 2,6-Dihydroxybenzoic acid  
LOD: 1.55 µg/ml
- 2 Salicylic acid  
LOD: 1.22 µg/ml
- 3 2,4-Dihydroxybenzoic acid  
LOD: 1.47 µg/ml
- 4 Benzoic acid  
LOD: 4.66 µg/ml
- 5 4-Hydroxybenzoic acid  
LOD: 4.64 µg/ml
- 6 3,5-Dihydroxybenzoic acid  
LOD: 4.92 µg/ml

