

## Analytic separation of Piperine from Pepper for scale up to preparative HPLC (see Application VFD0118J)

**Method** VFD0117J  
**HPLC** RP mode

**Column:** Eurospher II 100-5 C18, 250 x 4 mm ID with integrated precolumn

**Order No. 25WE181E2J**

**Phase:** Eurospher II 100-5 C18

**Conditions:** Eluent: A: Water  
B: Acetone  
Gradient: Isocratic 60 % B  
Flow rate: 1.0 ml/min  
Temperature: 25 °C  
Volume: 2 µL

**Detection:** UVD 2.1L with 10 mm flow cell: 210 nm or 340 nm, 20 Hz, 0,05 s

**Sample pretreatment:** Extraction of piperine from black pepper using acetone as the solvent

**Substances:** Piperine, impurities

**Keywords:** Pepper, scale-up, AZURA Compact

### Chromatogram:

1 Piperine

Blue trace: 340 nm  
(highest abundance of piperine)

Green trace: 210 nm  
(most impurities detected)

