

HPLC method for the determination of Amineptine and its main Metabolite in human plasma

Method VPH0009J
HPLC RP Mode (Ion pair)

Column: Eurospher 100-5 C18, 150 x 4.6 mm ID

Order No. 15EE181ESJ

Phase: Eurospher 100-5 C18

Conditions: Eluent: Aqueous phase containing 1.2 g/l heptane sulphonate adjusted to pH 3.0 with H₃PO₄ / Acetonitrile (62:38)
Gradient: isocratic
Flow rate: 1.0 ml/min
Temperature: 30 °C
Volume: 20 µl

Detection: UV at 220 nm

Substances: Amineptine

Keywords: Drugs, Antidepressant drugs

Chromatogram:

Chromatograms of extracts from
a) blank plasma

b) plasma spiked with:

1. 250 ng/ml metabolite
2. 250 ng/ml amineptine
3. 500 ng/ml internal standard

c) a patient plasma sample
obtained 45 min after taking a
100 mg oral dose of
amineptine, spiked with

1. 230 ng/ml metabolite
2. 180 ng/ml amineptine
3. 500 ng/ml internal standard

