

Chiral separation of Cyanofenphos

Method
HPLC

VCR0022J
Chiral HPLC

Column: Eurocel 03, 250 x 4.6 mm ID
with precolumn

Order No. 25VM400ECJ

Phase: Eurocel 03, 5 μ m

Conditions: Eluent: Hexane / 2-Propanole 80:20 (v / v) + 0.1% TFA
Gradient: isocratic
Flow rate: 1.0 ml/min
Temperature: 20 °C
Volume: 10 μ l

Detection: UV at 234 nm

Substances: Cyanofenphos, O-4-cyanophenyl-O-ethylphenylphosphonothioate

Keywords: chiral separation, Eurocel 03, cellulose based chiral selector, pesticides

Chromatogram:

$k'_1 = 5.50$

$k'_2 = 8.55$

$\alpha = 1.56$

