

Chiral separation of α - Tocopherols

Method
HPLC

VCR0047J
Chiral HPLC

Column: Eurocel 01, 250 x 4.6 mm ID
with precolumn

Order No. 25VM370ECJ

Phase: Eurocel 01, 5 μ m

Conditions: Eluent: Hexane / 2-Butanole 99:1 (v / v)
Gradient: isocratic
Flow rate: 1.0 ml/min
Temperature: 20 °C
Volume: 10 μ l

Detection: UV at 290 nm

Substances: α - Tocopherole, (2*R*)-2,5,7,8-Tetramethyl-2-[(4*R*,8*R*)-4,8,12-trimethyltridecyl]-3,4-dihydro-2*H*-chromen-6-ol

Keywords: chiral separation, Eurocel 01, cellulose based chiral selector, Vitamin E

Chromatogram:

$k'1 = 2.40$

$k'2 = 2.93$

$\alpha = 1.22$

