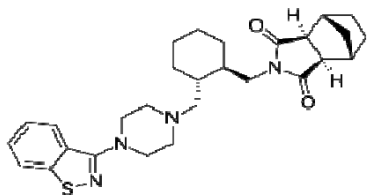


LURACIDONE

AIM

Chiral HPLC method development for the separation of enantiomers in Luracidone Trans.

Product: General Information



Molecular Formula : C₂₈H₃₆N₄O₂S

Molecular Weight : 492.68 g/mol

Chromatographic Conditions

Column : CHIRALART Cellulose - SB (250 x 4.6 mm, 5 μ)
 Mobile Phase : *n*-Hexane: Isopropyl alcohol: Diethylamine (90:10:0.2) (v/v/v)
 Flow Rate : 1.0 mL/min
 Detection wavelength (UV) : 230 nm
 Column Temperature : 25°C
 Injection volume : 20 μL
 Sample Concentration : 0.5 mg/mL
 Diluent : Mobile phase
 Run time : 40 min

Chromatogram

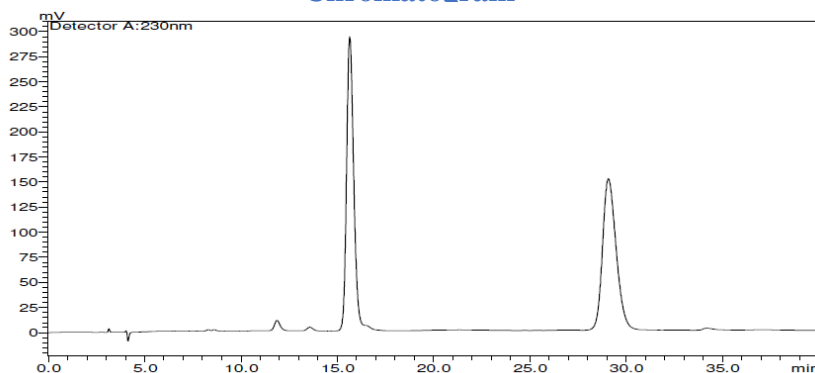


Figure: Typical chromatogram of Luracidone Trans racemic mixture.

Peak Identification

Retention Time (RT)	Resolution (Rs)	Name
15.643	-	Peak-1
29.074	13.74	Peak-2

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