
Product Data Sheet

Product Name: (Rac)-3'-Hydroxy simvastatin

Cat. No.: GC60410

Chemical Properties

Cas. No. 126313-98-2

SMILES CC(O)C(C)(C)C(OC1CC(C)C=C2C=CC(C)C(CCC3CC(O)CC(O3)=O)C12)=OFormula C₂₅H₃₈O₆ M.Wt 434.57

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure (Rac)-3'-Hydroxy simvastatin

Background

(Rac)-3'-Hydroxy simvastatin is a metabolite of Simvastatin. Simvastatin is a competitive inhibitor of HMG-CoA reductase with a K_i of 0.2 nM [1][2].

[1]. Slater, E.E., et al. Mechanism of action and biological profile of HMG CoA reductase inhibitors. A new therapeutic alternative. *Drugs*, 1988. 36 Suppl 3: p. 72-82.

Caution: Product has not been fully validated for medical applications. For research use only.

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