
Product Data Sheet

Product Name: Pravastatin

Cat. No.: GC13870

Chemical Properties

Cas. No. 81093-37-0

Chemical Name (3R,5R)-7-[(1S,2S,6S,8S,8aR)-6-hydroxy-2-methyl-8-[(2S)-2-methylbutanoyl]oxy-1,2,6,7,8,8a-hexahydronaphthalen-1-yl]-3,5-dihydroxyheptanoic acid

SMILES CCC(C)C(=O)OC1CC(C=C2C1C(C(C=C2)C)CCC(CC(CC(=O)O)O)O)OFormula C₂₃H₃₆O₇ M.Wt 424.53

Solubility ≥ 14.05mg/mL in DMSO Storage Store at -20°C, protect from light

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 **Background**

Pravastatin (CS-514) is an HMG-CoA reductase inhibitor against sterol synthesis with IC₅₀ of 5.6 μM.

Pravastatin (CS-514) is a member of the drug class of statins, used in combination with diet, exercise, and weight-loss for lowering cholesterol and preventing cardiovascular disease[1].

References:

[1]. McTavish D, et al. Pravastatin. A review of its pharmacological properties and therapeutic potential in hypercholesterolaemia. *Drugs*. 1991 Jul;42(1):65-89.

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

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