

Product Data Sheet

Product Name: Pitavastatin lactone

Cat. No.: GC44650

Chemical Properties

Cas. No. 141750-63-2

SMILES FC(C=C1)=CC=C1C2=C(/C=C/[C@H]3OC(C[C@H](O)C3)=O)C(C4CC4)=NC5=C2C=CC=C5

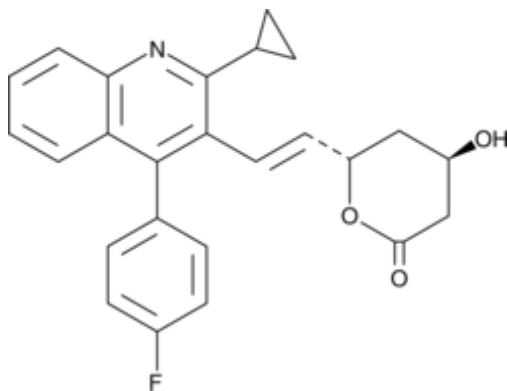
Formula C₂₅H₂₂FNO₃ M.Wt 403.5

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO: PBS (pH 7.2) (1:3): 0.25 mg/ml, Ethanol: 10 mg/ml
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



Background

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Pitavastatin lactone is a major phase 2 metabolite of pitavastatin, an inhibitor of HMG-CoA reductase, that is found in plasma of rats and humans following oral administration. Pitavastatin lactone is formed when pitavastatin undergoes glucuronidation by the UDP-glucuronosyl transferases UGT1A1, UGT1A3, or UGT2B7 to form pitavastatin glucuronide, which then undergoes non-enzymatic conversion to pitavastatin lactone. It can be converted back to pitavastatin via hydrolysis.

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