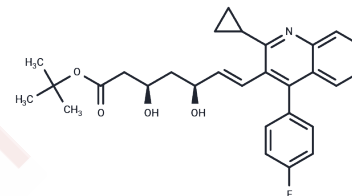


Tert-Buthyl Pitavastatin

Chemical Properties

CAS No. :	586966-54-3
Formula:	C ₂₉ H ₃₂ FNO ₄
Molecular Weight:	477.57
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tert-Buthyl Pitavastatin is a metabolite of Pitavastatin, a potent HMG-CoA reductase inhibitor.
Targets(IC50)	HMG-CoA Reductase, Drug Metabolite

Solubility Information

Solubility	DMSO: 78 mg/mL (163.33 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (6.91 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0939 mL	10.4697 mL	20.9393 mL
5 mM	0.4188 mL	2.0939 mL	4.1879 mL
10 mM	0.2094 mL	1.047 mL	2.0939 mL
50 mM	0.0419 mL	0.2094 mL	0.4188 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Morikawa S, et al. Relative induction of mRNA for HMG CoA reductase and LDL receptor by five different HMG-CoA reductase inhibitors in cultured human cells. *J Atheroscler Thromb.* 2000;7(3):138-44.

Kanda K, Takahashi R, Yoshikado T, Sugiyama Y. Total hepatocellular disposition profiling of rosuvastatin and pitavastatin in sandwich-cultured human hepatocytes. *Drug Metab Pharmacokinet.* 2018 Jun;33(3):164-172.

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