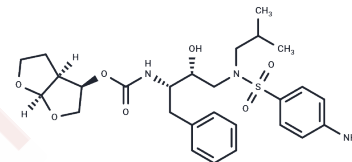


Darunavir

Chemical Properties

CAS No. :	206361-99-1
Formula:	C ₂₇ H ₃₇ N ₃ O ₇ S
Molecular Weight:	547.66
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Darunavir (TMC114) is an HIV PROTEASE INHIBITOR that is used in the treatment of AIDS and HIV INFECTIONS. Due to the emergence of ANTIVIRAL DRUG RESISTANCE when used alone, it is administered in combination with other ANTI-HIV AGENTS.
Targets(IC50)	HIV Protease
In vivo	Vipadenant (0.3-30 mg/kg) produces a dose-dependent reduction in catalepsy. Vipadenant (10 mg/kg) does not produce any statistically significant dyskinetic episodes in 6-OHDA-lesioned rats during a 19-day dosing regimen[1]. In the mouse and rat haloperidol-induced hypolocomotion models, vipadenant has a minimum effective dose of 0.1 and 1 mg/kg, respectively. Vipadenant (3 and 10 mg/kg, p.o.) is able to increase contralateral rotations in 6-OHDA lesioned rats[2].

Solubility Information

Solubility	Ethanol: 35 mg/mL (63.91 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.826 mL	9.1298 mL	18.2595 mL
5 mM	0.3652 mL	1.826 mL	3.6519 mL
10 mM	0.1826 mL	0.913 mL	1.826 mL
50 mM	0.0365 mL	0.1826 mL	0.3652 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.

Reference

Fujimoto H, et al. Biol Pharm Bull, 2009, 32(9), 1588-1593.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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