

L 754394

## Chemical Properties

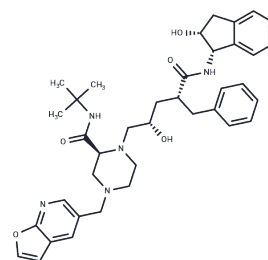
CAS No. : 160729-91-9

Formula: C<sub>38</sub>H<sub>47</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 653.81

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	L 754394 is an effective and specific inhibitor of the HIV-1 protease.
Targets(IC50)	Others,HIV Protease

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5295 mL	7.6475 mL	15.295 mL
5 mM	0.3059 mL	1.5295 mL	3.059 mL
10 mM	0.1529 mL	0.7647 mL	1.5295 mL
50 mM	0.0306 mL	0.1529 mL	0.3059 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

- Bateman KP, Baker J, Wilke M, Lee J, Leriche T, Seto C, Day S, Chauret N, Ouellet M, Nicoll-Griffith DA. Detection of covalent adducts to cytochrome P450 3A4 using liquid chromatography mass spectrometry. *Chem Res Toxicol.* 2004 Oct;17(10):1356-61. PubMed PMID: 15487896.
- Achira M, Suzuki H, Ito K, Sugiyama Y. Comparative studies to determine the selective inhibitors for P-glycoprotein and cytochrome P4503A4. *AAPS PharmSci.* 1999;1(4):E18. PubMed PMID: 11741214; PubMed Central PMCID: PMC2751348.
- Kawahara I, Kato Y, Suzuki H, Achira M, Ito K, Crespi CL, Sugiyama Y. Selective inhibition of human cytochrome P450 3A4 by N-[2(R)-hydroxy-1(S)-indanyl]-5-[2(S)-(1, 1-dimethylethylaminocarbonyl)-4-[(furo[2, 3-b]pyridin-5-yl) methyl]piperazin-1-yl]-4(S)-hydroxy-2(R)-phenylmethyl pentanamide and P-glycoprotein by valsopodar in gene transfectant systems. *Drug Metab Dispos.* 2000 Oct;28(10):1238-43. PubMed PMID: 10997946.
- Lightning LK, Jones JP, Friedberg T, Pritchard MP, Shou M, Rushmore TH, Trager WF. Mechanism-based inactivation of cytochrome P450 3A4 by L-754,394. *Biochemistry.* 2000 Apr 18;39(15):4276-87. PubMed PMID: 10757976.

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