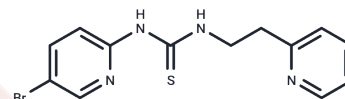


Trovirdine

Chemical Properties

CAS No. :	149488-17-5
Formula:	C ₁₃ H ₁₃ BrN ₄ S
Molecular Weight:	337.24
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	Trovirdine (LY300046) is a thiourea non-nucleoside reverse transcriptase inhibitor.
Targets(IC50)	HIV Protease

Solubility Information

Solubility	DMSO: 55 mg/mL (163.09 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.93 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	2.9652 mL	14.8262 mL	29.6525 mL
5 mM	0.593 mL	2.9652 mL	5.9305 mL
10 mM	0.2965 mL	1.4826 mL	2.9652 mL
50 mM	0.0593 mL	0.2965 mL	0.593 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

Uckun FM, et al. Bioorg Med Chem Lett. 1999 Sep 20;9(18):2721-6.

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