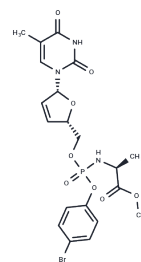


Stampidine

Chemical Properties

CAS No. :	217178-62-6
Formula:	C ₂₀ H ₂₃ BrN ₃ O ₈ P
Molecular Weight:	544.29
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	Stampidine can prevent the sexual transmission of HIV-1. It exhibited remarkable subnanomolar to low nanomolar in vitro antiretroviral potency against nucleoside reverse transcriptase inhibitor-resistant primary clinical HIV isolates, non-nucleoside RT-resistant HIV-1 isolates.
Targets(IC50)	Others,HIV Protease,Reverse Transcriptase
In vivo	Stampidine did not cause any maternal toxicity, developmental toxicity, or teratogenicity in rabbits treated at 10 - 40 mg/kg/day dose levels.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8373 mL	9.1863 mL	18.3726 mL
5 mM	0.3675 mL	1.8373 mL	3.6745 mL
10 mM	0.1837 mL	0.9186 mL	1.8373 mL
50 mM	0.0367 mL	0.1837 mL	0.3675 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, Cahn P, Qazi S, D'Cruz O. Stampidine as a promising antiretroviral drug candidate for pre-exposure prophylaxis against sexually transmitted HIV/AIDS. *Expert Opin Investig Drugs*. 2012 Apr;21(4):489-500. doi: 10.1517/13543784.2012.664635. Epub 2012 Feb 24. Review. PubMed PMID: 22360744.

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D'Cruz OJ, Samuel P, Waurzyniak B, Uckun FM. Development and evaluation of a thermoreversible ovule formulation of stampidine, a novel nonspermicidal broad-spectrum anti-human immunodeficiency virus microbicide. *Biol Reprod*. 2003 Dec;69(6):1843-51. Epub 2003 Jul 30. PubMed PMID: 12890726.

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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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