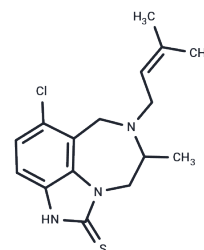


TERT-IN-1

Chemical Properties

CAS No. :	257891-65-9
Formula:	C ₁₆ H ₂₀ ClN ₃ S
Molecular Weight:	321.87
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-IN-1 has anti-HIV activity and can be used to study HIV infection.
Targets(IC50)	HIV Protease,Reverse Transcriptase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1068 mL	15.5342 mL	31.0684 mL
5 mM	0.6214 mL	3.1068 mL	6.2137 mL
10 mM	0.3107 mL	1.5534 mL	3.1068 mL
50 mM	0.0621 mL	0.3107 mL	0.6214 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

Hannongbua, S., Saen-oon, S., Pungpo, P. et al. Molecular Calculations on the Conformation of the HIV-1 Reverse Transcriptase Inhibitor (+)-(S)-4,5,6,7-Tetrahydro-8-chloro-5-methyl-6-(3-methyl-2-butenyl)-imidazo[4,5,1-jk][1,4]benzodiazepine-2(1H)-thione (8-Chloro-TIBO). Monatshefte fuer Chemie 132, 1157-1169 (2001).

Barreca ML, et al. Comparative molecular field analysis (CoMFA) and docking studies of non-nucleoside HIV-1 RT inhibitors (NNIs). Bioorg Med Chem. 1999 Nov;7(11):2283-92.

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