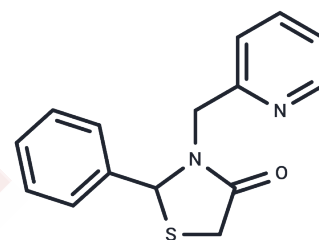


NMT-IN-1

Chemical Properties

CAS No. :	326879-46-3
Formula:	C ₁₅ H ₁₄ N ₂ O ₂ S
Molecular Weight:	270.35
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	NMT-IN-1 is a potent inhibitor of N-nutyltransferase (NMT), with IC ₅₀ of 31 μM for TbNMT and 66 μM for hNMT. NMT-IN-1 is a potential compound for the treatment of African trypanosomiasis.
Targets(IC ₅₀)	Others,Parasite

Solubility Information

Solubility	DMSO: 22.5 mg/mL (83.23 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	3.6989 mL	18.4945 mL	36.9891 mL
5 mM	0.7398 mL	3.6989 mL	7.3978 mL
10 mM	0.3699 mL	1.8495 mL	3.6989 mL
50 mM	0.074 mL	0.3699 mL	0.7398 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

Spinks D, et al. Development of Small-Molecule Trypanosoma brucei N-Myristoyltransferase Inhibitors: Discovery and Optimisation of a Novel Binding Mode. ChemMedChem. 2015;10(11):1821-1836.

Li X, et al. Synthesis and SAR studies of 1,4-benzoxazine MenB inhibitors: novel antibacterial agents against Mycobacterium tuberculosis. Bioorg Med Chem Lett. 2010;20(21):6306-6309.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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