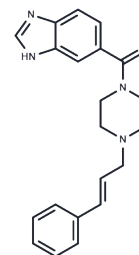


SpdSyn binder-1

Chemical Properties

CAS No. :	251106-30-6
Formula:	C ₂₁ H ₂₂ N ₄ O
Molecular Weight:	346.43
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	SpdSyn binder-1 is a weak binding agent that binds to the active site of Plasmodium falciparum spermidine synthase, offering partial inhibition of malaria and potential for malaria research.
Targets(IC50)	Parasite

Solubility Information

Solubility	DMSO: 34.64 mg/mL (99.99 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	2.8866 mL	14.4329 mL	28.8659 mL
5 mM	0.5773 mL	2.8866 mL	5.7732 mL
10 mM	0.2887 mL	1.4433 mL	2.8866 mL
50 mM	0.0577 mL	0.2887 mL	0.5773 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

Micael Jacobsson, et al. Identification of Plasmodium falciparum spermidine synthase active site binders through structure-based virtual screening. J Med Chem. 2008 May 8;51(9):2777-86.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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