Data Sheet (Cat.No.T60044)



SPEN-IN-1

Chemical Propert		
CAS No. :	2863686-82-0	
Formula:	C27H20N4O	
Molecular Weight:	416.47	\sum
Appearance: 🦲	no data available	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	

Biological DescriptionDescriptionSPEN-IN-1 binding suppresses histone H3K27 trimethylation and blocks initiation of X-
chromosome inactivation. SPEN-IN-1 binding reduces the conformational space of RepA
and displaces cognate interacting protein factors including PRC2 and SPEN.Targets(IC50)Others

Solubility Informatio	n
Solubility	H2O: Insoluble DMSO: 80 mg/mL(192.09 mM) Ethanol: 20 mg/mL(48.02 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
Preparing Stock Solutions	

1mg 5mg 10mg 1 mM2.4011 mL 12.0057 mL 24.0113 mL 5 mM 0.4802 mL 2.4011 mL 4.8023 mL 0.2401 mL 10 mM 1.2006 mL 2.4011 mL 50 mM 0.048 mL 0.2401 mL 0.4802 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.

Reference

Aguilar R, et al. Targeting Xist with compounds that disrupt RNA structure and X inactivation. Nature. 2022 Apr;604 (7904):160-166.

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