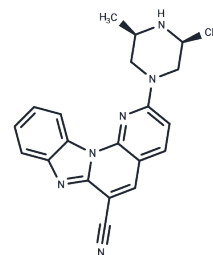


POL1-IN-1

Chemical Properties

CAS No. : 1822358-25-7
 Formula: C₂₁H₂₀N₆
 Molecular Weight: 356.42
 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	POL1-IN-1 (Compound 3A) can effectively inhibit the transcription of RNA polymerase I in the A375 malignant melanoma cell line but has no effect on polymerase II.
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 3.57 mg/mL (10.02 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	2.8057 mL	14.0284 mL	28.0568 mL
5 mM	0.5611 mL	2.8057 mL	5.6114 mL
10 mM	0.2806 mL	1.4028 mL	2.8057 mL
50 mM	0.0561 mL	0.2806 mL	0.5611 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

Chen L L , Song J X , Lu J H , et al. Corynoxine, a Natural Autophagy Enhancer, Promotes the Clearance of Alpha-Synuclein via Akt/mTOR Pathway[J]. Journal of Neuroimmune Pharmacology, 2014, 9(3):380-387.

Sakakibara I, et al. Effect on locomotion of indole alkaloids from the hooks of uncaria plants. Phytomedicine. 1999 Jul;6(3):163-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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