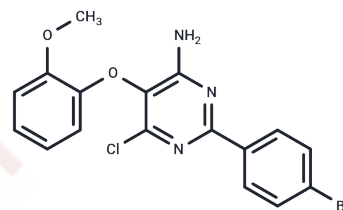


DHPS-IN-1

Chemical Properties

CAS No. :	2643300-54-1
Formula:	C ₁₇ H ₁₃ BrClN ₃ O ₂
Molecular Weight:	406.66
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	DHPS-IN-1, a chemical compound, demonstrates exceptional inhibitory potency against melanoma cells, as evidenced by its IC ₅₀ value of 0.014 μM.
Targets(IC ₅₀)	Others,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4591 mL	12.2953 mL	24.5906 mL
5 mM	0.4918 mL	2.4591 mL	4.9181 mL
10 mM	0.2459 mL	1.2295 mL	2.4591 mL
50 mM	0.0492 mL	0.2459 mL	0.4918 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

Liu KL, et al. Novel Allosteric Inhibitors of Deoxyhypusine Synthase against Malignant Melanoma: Design, Synthesis, and Biological Evaluation. J Med Chem. 2021 Sep 23;64(18):13356-13372.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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