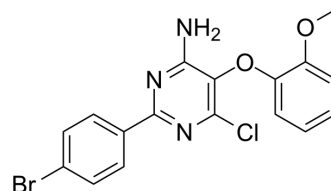


DHPS-IN-1

Cat. No.:	HY-115712
CAS No.:	2643300-54-1
Molecular Formula:	C ₁₇ H ₁₃ BrClN ₃ O ₂
Molecular Weight:	406.66
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (245.91 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		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		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.15 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.15 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	DHPS-IN-1, with the best DHPS inhibitory potency (IC ₅₀ = 0.014 μM), exhibits excellent inhibition against melanoma cells.
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REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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