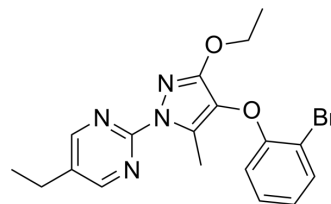


hDHODH-IN-3

Cat. No.:	HY-135570		
CAS No.:	1644156-80-8		
Molecular Formula:	C ₁₈ H ₁₉ BrN ₄ O ₂		
Molecular Weight:	403.27		
Target:	Influenza Virus; Dihydroorotate Dehydrogenase; DNA/RNA Synthesis		
Pathway:	Anti-infection; Metabolic Enzyme/Protease; Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (82.65 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions	1 mM	2.4797 mL	12.3986 mL
		5 mM	0.4959 mL	2.4797 mL
		10 mM	0.2480 mL	1.2399 mL
	Please refer to the solubility information to select the appropriate solvent.			
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.20 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	hDHODH-IN-3 (compound 21d) is a human dihydroorotate dehydrogenase (HsDHODH) inhibitor, inhibits measles virus replication with a pMIC ₅₀ value of 8.6 ^[1] .
IC₅₀ & Target	IC ₅₀ : HsDHODH ^[1]

REFERENCES

[1]. Lucas-Hourani M, et al. Original 2-(3-Alkoxy-1H-pyrazol-1-yl)azines Inhibitors of Human Dihydroorotate Dehydrogenase (DHODH). J Med Chem. 2015 Jul 23;58(14):5579-98.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA