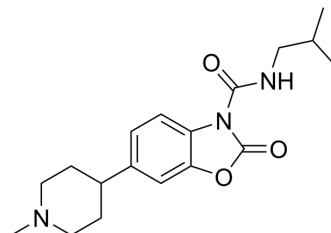


Acid Ceramidase-IN-1

Cat. No.:	HY-141866		
CAS No.:	2415225-30-6		
Molecular Formula:	C ₁₈ H ₂₅ N ₃ O ₃		
Molecular Weight:	331.41		
Target:	Ceramidase		
Pathway:	Metabolic Enzyme/Protease		
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 : 50 mg/mL (150.87 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.0174 mL	15.0871 mL	30.1741 mL
	5 mM	0.6035 mL	3.0174 mL	6.0348 mL
	10 mM	0.3017 mL	1.5087 mL	3.0174 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Acid Ceramidase-IN-1 is a potent and oral bioavailable acid ceramidase (AC, ASAH-1) inhibitor (hAC IC₅₀=0.166 μM). Acid Ceramidase-IN-1 has excellent brain penetration in mice^[1].

REFERENCES

[1]. Di Martino S, et al. Lead Optimization of Benzoxazolone Carboxamides as Orally Bioavailable and CNS Penetrant Acid Ceramidase Inhibitors. J Med Chem. 2020;63(7):3634-3664.

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