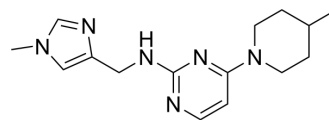


TP-040

Cat. No.:	HY-131979
CAS No.:	2757254-99-0
Molecular Formula:	C ₁₅ H ₂₂ N ₆
Molecular Weight:	286.38
Target:	Others
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (87.30 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.4919 mL	17.4593 mL	34.9186 mL
	5 mM	0.6984 mL	3.4919 mL	6.9837 mL
	10 mM	0.3492 mL	1.7459 mL	3.4919 mL

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

BIOLOGICAL ACTIVITY

Description

TP-040 (O-GlcNAcase-IN-1) is a potent and novel OGA inhibitor with an IC₅₀ value of 46 nM.

REFERENCES

[1]. Tawada M, et al. Discovery of a Novel and Brain-Penetrant O-GlcNAcase Inhibitor via Virtual Screening, Structure-Based Analysis, and Rational Lead Optimization. J Med Chem. 2021 Jan 28;64(2):1103-1115.

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