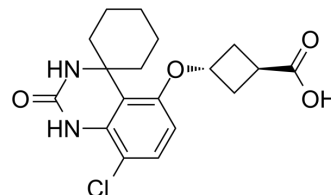


PDE7-IN-3

Cat. No.:	HY-100326		
CAS No.:	908570-13-8		
Molecular Formula:	C ₁₈ H ₂₁ ClN ₂ O ₄		
Molecular Weight:	364.82		
Target:	Phosphodiesterase (PDE)		
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 : 100 mg/mL (274.11 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7411 mL	13.7054 mL	27.4108 mL
	5 mM	0.5482 mL	2.7411 mL	5.4822 mL
	10 mM	0.2741 mL	1.3705 mL	2.7411 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 5 mg/mL (13.71 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Pde7-in-3 (example 2) is an inhibitor of the phosphodiesterase PDE7 with potential analgesic activity. PDE7-IN-3 can be used to study inflammatory, neuropathic, visceral and nociceptive pain^[1].

IC₅₀ & Target

PDE7

REFERENCES

[1]. Cox Peter, et al. Use of combinations of PDE7 inhibitors and alpha-2-delta ligands for the treatment of neuropathic pain. World Intellectual Property Organization, WO2006092692 A1. 2006-09-08.

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