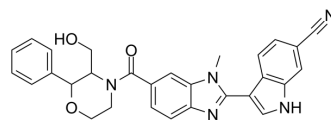


## PDE12-IN-3

Cat. No.:	HY-124768		
CAS No.:	1803357-22-3		
Molecular Formula:	C <sub>29</sub> H <sub>25</sub> N <sub>5</sub> O <sub>3</sub>		
Molecular Weight:	491.54		
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 : 80 mg/mL (162.75 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0344 mL	10.1721 mL	20.3442 mL
	5 mM	0.4069 mL	2.0344 mL	4.0688 mL
	10 mM	0.2034 mL	1.0172 mL	2.0344 mL

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

### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2 mg/mL (4.07 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2 mg/mL (4.07 mM); Clear solution

## BIOLOGICAL ACTIVITY

### Description

PDE12-IN-3 is a phosphodiesterase 12 (PDE12) inhibitor with a pXC<sub>50</sub> of 7.68. Antiviral activity<sup>[1]</sup>.

### IC<sub>50</sub> & Target

PDE12  
7.68 (pXC<sub>50</sub>)

## REFERENCES

- [1]. Wood ER, et al. The Role of Phosphodiesterase 12 (PDE12) as a Negative Regulator of the Innate Immune Response and the Discovery of Antiviral Inhibitors. J Biol

**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](mailto:tech@MedChemExpress.com)

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