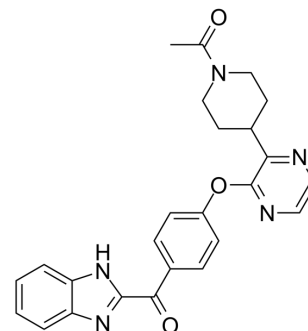


AMG 579

Cat. No.:	HY-12913		
CAS No.:	1227067-61-9		
Molecular Formula:	C ₂₅ H ₂₃ N ₅ O ₃		
Molecular Weight:	441.48		
Target:	Phosphodiesterase (PDE)		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 41.67 mg/mL (94.39 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.2651 mL	11.3255 mL	22.6511 mL
		5 mM	0.4530 mL	2.2651 mL	4.5302 mL
10 mM		0.2265 mL	1.1326 mL	2.2651 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.71 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.71 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	AMG 579 is a potent, selective, and efficacious inhibitor of phosphodiesterase 10A (PDE10A) with an IC ₅₀ of 0.1 nM.
IC₅₀ & Target	IC ₅₀ : 0.1 nM (Phosphodiesterase 10A) ^[1]

REFERENCES

[1]. Hu E, et al. Discovery of clinical candidate 1-(4-(3-(4-(1H-benzo[d]imidazole-2-carbonyl)phenoxy)pyrazin-2-yl)piperidin-1-yl)ethanone (AMG 579), a potent, selective, and efficacious inhibitor of phosphodiesterase 10A (PDE10A). J Med Chem. 2014 Aug 14;57(15)

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