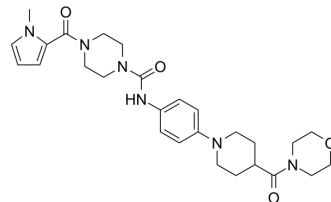


Pizuglanstat

Cat. No.:	HY-109134		
CAS No.:	1244967-98-3		
Molecular Formula:	C ₂₇ H ₃₆ N ₆ O ₄		
Molecular Weight:	508.61		
Target:	Prostaglandin Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (24.58 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9661 mL	9.8307 mL	19.6614 mL
5 mM	0.3932 mL	1.9661 mL	3.9323 mL
10 mM	0.1966 mL	0.9831 mL	1.9661 mL

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

BIOLOGICAL ACTIVITY

Description

Pizuglanstat (compound 3) is a prostaglandin D synthase inhibitor with an IC₅₀ of 76 nM for human hematopoietic prostaglandin D synthases (H-PGDS). Pizuglanstat can be used for myodegenerative disease research, such as muscular dystrophy^[1].

IC₅₀ & Target

DP

REFERENCES

[1]. Yoshihiro Urade, et al. Piperazine compound capable of inhibiting prostaglandin D synthase. US8865714B2.

Caution: Product has not been fully validated for medical applications. For research use only.

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