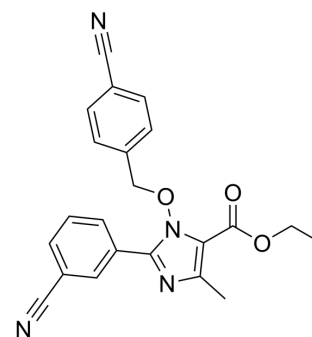


P2Y1/P2Y12 antagonist-1

Cat. No.:	HY-149454		
CAS No.:	2738381-94-5		
Molecular Formula:	C ₂₂ H ₁₈ N ₄ O ₃		
Molecular Weight:	386.4		
Target:	P2Y 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 : 2 mg/mL (5.18 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5880 mL	12.9400 mL	25.8799 mL
5 mM	0.5176 mL	2.5880 mL	5.1760 mL
10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

P2Y1/P2Y12 antagonist-1 (compound 24w) is an orally available dual inhibitor of P2Y1 and P2Y12 with antiplatelet activity. P2Y1/P2Y12 antagonist-1 inhibits ADP-induced platelet aggregation in rabbit plasma with an IC₅₀ of 4.23 μM. P2Y1/P2Y12 antagonist-1 exhibits potent inhibitory effects in rat thrombosis model.

REFERENCES

[1]. Lei Y, et al. Switching a Xanthine Oxidase Inhibitor to a Dual-Target Antagonist of P2Y1 and P2Y12 as an Oral Antiplatelet Agent with a Wider Therapeutic Window in Rats than Ticagrelor. *J Med Chem.* 2020 Dec 24;63(24):15752-15772.

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

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