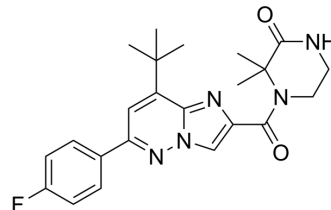


I-191

Cat. No.:	HY-117793		
CAS No.:	1690172-25-8		
Molecular Formula:	C ₂₃ H ₂₆ FN ₅ O ₂		
Molecular Weight:	423.48		
Target:	Protease Activated Receptor (PAR)		
Pathway:	GPCR/G Protein		
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 : 8.33 mg/mL (19.67 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3614 mL	11.8069 mL	23.6139 mL
	5 mM	0.4723 mL	2.3614 mL	4.7228 mL
	10 mM	0.2361 mL	1.1807 mL	2.3614 mL

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

BIOLOGICAL ACTIVITY

Description	I-191 is a potent, selective protease-activated receptor 2 (PAR2) antagonist ^[1] .
IC ₅₀ & Target	PAR2
In Vitro	I-191 inhibits cytokine production as well as cytokine-related caspase cleavages via ERK1/2 signaling in HT29 colon cancer cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jiang Y, et al. A Potent Antagonist of Protease-Activated Receptor 2 That Inhibits Multiple Signaling Functions in Human Cancer Cells. J Pharmacol Exp Ther. 2018 Feb;364(2):246-257.

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

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