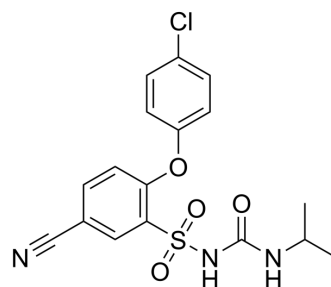


TP receptor antagonist-1

Cat. No.:	HY-160615
CAS No.:	1448452-21-8
Molecular Formula:	C ₁₇ H ₁₆ ClN ₃ O ₄ S
Molecular Weight:	393.84
Target:	Prostaglandin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	TP receptor antagonist-1 (compound 7m) is a thromboxane A ₂ receptor (TP receptor) antagonist, with IC ₅₀ values of 9.46 μM for TPa and 8.49 μM for TPb, respectively. TP receptor antagonist-1 can be used for the research of cardiovascular disease ^[1] .	
IC₅₀ & Target	Thromboxane A2 receptor α (TPa) 9.46 μM (IC ₅₀)	Thromboxane A2 receptor β (TPb) 8.49 μM (IC ₅₀)
In Vitro	TP receptor antagonist-1 (compound 7m) (10 ⁻⁵ -10 ⁻⁷ M, 3 min) shows inhibitory effect on human platelet aggregation in vitro [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Bambi-Nyanguile SM, et al. Synthesis and pharmacological evaluation of 2-aryloxy/arylamino-5-cyanobenzenesulfonylureas as novel thromboxane A₂ receptor antagonists. *Eur J Med Chem.* 2013 Jul;65:32-40.

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

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