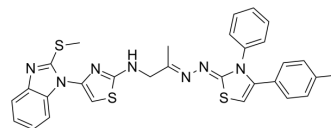


COX-2-IN-28

Cat. No.:	HY-150553
CAS No.:	2413565-18-9
Molecular Formula:	C ₃₀ H ₂₇ N ₇ S ₃
Molecular Weight:	581.78
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	COX-2-IN-28 is a potent and selective COX-2 inhibitor with IC ₅₀ values of 0.054, 2.14, 13.21 μM for COX-2, 15-LOX, COX-1, respectively ^[1] .		
IC₅₀ & Target	COX-1 13.21 μM (IC ₅₀)	COX-2 0.054 μM (IC ₅₀)	15-LOX 2.14 μM (IC ₅₀)
In Vitro	COX-2-IN-28 (compound 15c) shows significant COX-2 selectivity with an SI value of 244.63 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Maghraby MT, et al. Novel class of benzimidazole-thiazole hybrids: The privileged scaffolds of potent anti-inflammatory activity with dual inhibition of cyclooxygenase and 15-lipoxygenase enzymes. *Bioorg Med Chem*. 2020 Apr 1;28(7):115403.

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

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