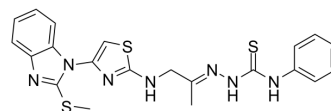


COX-2/15-LOX-IN-1

Cat. No.:	HY-150548
CAS No.:	2413565-15-6
Molecular Formula:	C ₂₁ H ₂₁ N ₇ S ₃
Molecular Weight:	467.63
Target:	COX; Lipoxygenase
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	COX-2/15-LOX-IN-1 (Compound 14) is a COX-2 and 15-lipoxygenase enzyme (15-LOX) inhibitor with IC ₅₀ values of 10.65, 0.075 and 2.98 μM against COX-1, COX-2 and 15-LOX, respectively. COX-2/15-LOX-IN-1 shows anti-inflammatory activity ^[1] .		
IC₅₀ & Target	COX-2 0.075 μM (IC ₅₀)	15-LOX 2.98 μM (IC ₅₀)	COX-1 10.65 μM (IC ₅₀)

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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