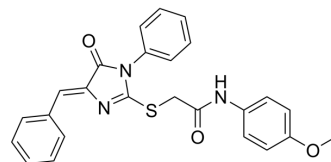


COX-2/15-LOX-IN-5

Cat. No.:	HY-163355
CAS No.:	443790-30-5
Molecular Formula:	C ₂₅ H ₂₁ N ₃ O ₃ S
Molecular Weight:	443.52
Target:	COX; Lipoxygenase; NF-κB
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

COX-2/15-LOX-IN-5 (Compound 4f) is a dual inhibitor of COX-2/15-LOX. COX-2/15-LOX-IN-5 attenuates increased NF-κB activation in RAW 264.7 macrophages mediated by lipopolysaccharide (HY-D1056). COX-2/15-LOX-IN-5 has anti-inflammatory and antioxidant activities^[1].

REFERENCES

[1]. Osman NA, et al. Dual COX-2 and 15-LOX inhibition study of novel 4-arylidine-2-mercapto-1-phenyl-1H-imidazolidin-5(4H)-ones: Design, synthesis, docking, and anti-inflammatory activity. Arch Pharm (Weinheim). 2024 Feb 5:e2300615.

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

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