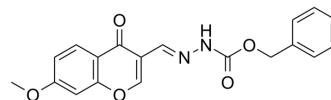


COX-2/15-LOX/mPGES1-IN-1

Cat. No.:	HY-162166
Molecular Formula:	C ₁₉ H ₁₆ N ₂ O ₅
Molecular Weight:	352.34
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/mPGES1-IN-1 (Compound 2c) is an inhibitor of COX-2, 15-LOX, and mPGES-1 enzymes with IC₅₀ values of 0.057, 2.39, and 2.8 μM, respectively. COX-2/15-LOX/mPGES1-IN-1 possesses anti-inflammatory activity and can inhibit rat paw edema in vivo experiments^[1].

REFERENCES

[1]. Elzahhar PA, et al. Chromone-based small molecules for multistep shutdown of arachidonate pathway: Simultaneous inhibition of COX-2, 15-LOX and mPGES-1 enzymes. *Eur J Med Chem.* 2024 Jan 10;266:116138.

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

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