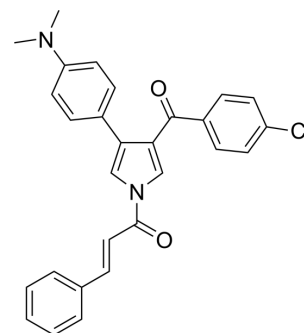


COX-2/LOX-IN-2

Cat. No.:	HY-163188
Molecular Formula:	C ₂₈ H ₂₃ ClN ₂ O ₂
Molecular Weight:	454.95
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/LOX-IN-2 (compound 6) is a dual inhibitor of COX-2/LOX with IC ₅₀ s of 7.0 μM and 27.5 μM, respectively. COX-2/LOX-IN-2 has antioxidant activity and has the potential to be used in the development of nonsteroidal anti-inflammatory drugs (tNSAIDs) ^[1] .
IC ₅₀ & Target	7.0 μM (COX-2), 27.5 μM (Lipoxygenase, LOX) ^[1]

REFERENCES

[1]. Noti V, et al. Development of Novel Pyrrole Derivatives and Their Cinnamic Hybrids as Dual COX-2/LOX Inhibitors. *Molecules*. 2023 Dec 5;28(24):7958.

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

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