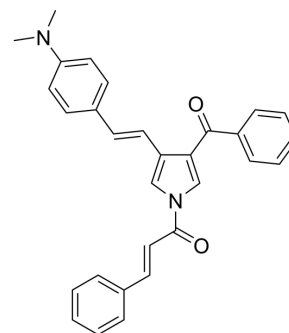


COX-2/LOX-IN-1

Cat. No.:	HY-163187
Molecular Formula:	C ₃₀ H ₂₆ N ₂ O ₂
Molecular Weight:	446.54
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-1 (compound 5) is a dual cyclooxygenase-2/lipoxygenase (COX-2/LOX) inhibitor with IC ₅₀ s of 30 μM and 0.55 μM, for LOX and COX-2, respectively. ^[1]	
IC₅₀ & Target	COX-2 0.55 μM (IC ₅₀)	LOX 30 μM (IC ₅₀)
In Vitro	COX-2/LOX-IN-1 (100 μM) reveals an inhibitory activity against lipid peroxidation, the inhibitory percentage is 36% ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA