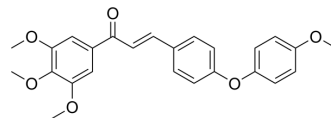


COX-2-IN-32

Cat. No.:	HY-153762
CAS No.:	2725863-08-9
Molecular Formula:	C ₂₅ H ₂₄ O ₆
Molecular Weight:	420.45
Target:	NO Synthase; NF-κB; COX
Pathway:	Immunology/Inflammation; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	COX-2-IN-32 (Compound 2f) is an iNOS and COX-2 inhibitor. COX-2-IN-32 decreases the expression of NF-κB. COX-2-IN-32 has anti-inflammatory activity by inhibits NO production in LPS-induced RAW264.7 macrophages (IC ₅₀ : 11.2 μM) ^[1] .
IC ₅₀ & Target	COX-2

REFERENCES

[1]. Emam SH, et al. Design and synthesis of methoxyphenyl- and coumarin-based chalcone derivatives as anti-inflammatory agents by inhibition of NO production and down-regulation of NF-κB in LPS-induced RAW264.7 macrophage cells. *Bioorg Chem.* 2021 Feb;107:104630.

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

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