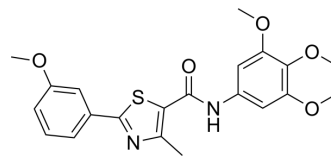


COX-1/2-IN-5

Cat. No.:	HY-155768
Molecular Formula:	C ₂₁ H ₂₂ N ₂ O ₅ S
Molecular Weight:	414.47
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	COX-1/2-IN-5 (compound 2a) is a dual inhibitor of COX1/2 (IC ₅₀ =2.650 μM, 0.958 μM), with anticancer activity. COX-1/2-IN-5 inhibits liver cancer HepG2 with an IC ₅₀ of 60.75 μM ^[1] .
IC ₅₀ & Target	IC50: IC50: 2.650 μM (COX-1), 0.958 μM (COX-2) ^[1]
In Vivo	COX-1/2-IN-5 (compound 2a) MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hawash M, et al. New Thiazole Carboxamide Derivatives as COX Inhibitors: Design, Synthesis, Anticancer Screening, In Silico Molecular Docking, and ADME Profile Studies. ACS Omega. 2023 Aug 6;8(32):29512-29526.

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

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