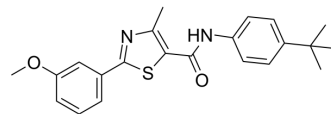


COX-1/2-IN-4

Cat. No.:	HY-155764
CAS No.:	2967296-91-7
Molecular Formula:	C ₂₂ H ₂₄ N ₂ O ₂ S
Molecular Weight:	380.5
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-4 (compound 2b) is a COX inhibitor with IC ₅₀ values of 0.239 μM and 0.191 μM for COX-1 enzyme and COX-2 enzyme, respectively. COX-1/2-IN-4 shows moderate anticancer activity against COLO205 and B16F1 cancer cell lines with IC ₅₀ values of 30.79 and 74.15 μM, respectively ^[1] .
IC ₅₀ & Target	IC ₅₀ = 0.239 μM (COX-1 enzyme); IC ₅₀ = 0.191 μM (COX-2 enzyme) ^[1]

REFERENCES

[1]. Mohammed Hawash, et al. New Thiazole Carboxamide Derivatives as COX Inhibitors: Design, Synthesis, Anticancer Screening, In Silico Molecular Docking, and ADME Profile Studies. ACS Omega.2023, 8, 32.

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

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