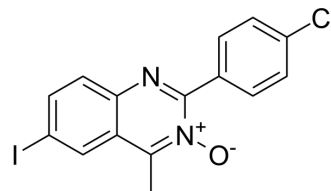


COX-1/2-IN-2

Cat. No.:	HY-115967
CAS No.:	2882832-86-0
Molecular Formula:	C ₁₅ H ₁₀ ClIN ₂ O
Molecular Weight:	396.61
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-2 is a potent COX1/2 inhibitor. COX-1/2-IN-2 exhibits significant inhibitory effect against COX-1 and COX-2 inhibitor with IC ₅₀ values of 9.7 ± 0.09 μM and 4.6 ± 1.45 μM, respectively ^[1] .	
IC₅₀ & Target	COX-1 9.7±0.09 μM (IC ₅₀)	COX-2 4.6±1.45 μM (IC ₅₀)

REFERENCES

[1]. Malose J. Mphahlele, et al. Synthesis, in vitro and in silico enzyme (COX-1/2 & LOX-5), free radical scavenging and cytotoxicity profiling of the 2,4-dicarbo substituted quinazoline 3-oxides. Medicinal Chemistry Research volume 31, pages146–164 (2022)

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

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