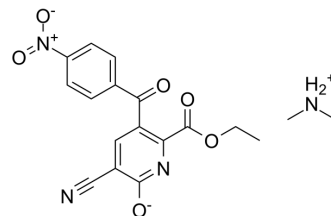


COX-2-IN-14

Cat. No.:	HY-147692
CAS No.:	2428387-48-6
Molecular Formula:	C ₁₈ H ₁₈ N ₄ O ₆
Molecular Weight:	386.36
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	COX-2-IN-14 (compound 2a) is a potent and selective COX-2 (cyclooxygenase-2) inhibitor. COX-2-IN-14 shows effective binding at the active site of COX-2 co-crystal. COX-2-IN-14 exhibits a high level of in vivo anti-inflammatory activity, reducing ear edema and myeloperoxidase (MPO) activity in mice ^[1] .
IC ₅₀ & Target	COX-2

REFERENCES

[1]. Gonçalves DS, et al. Synthesis of novel 3,5,6-trisubstituted 2-pyridone derivatives and evaluation for their anti-inflammatory activity. *Bioorg Med Chem*. 2020 Jun 15;28(12):115549.

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

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