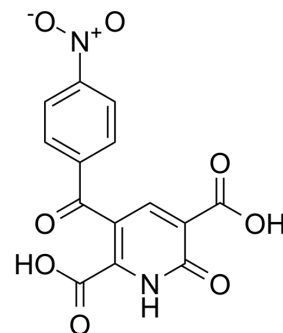


COX-1/2-IN-3

Cat. No.:	HY-147693
CAS No.:	2428387-82-8
Molecular Formula:	C ₁₄ H ₈ N ₂ O ₈
Molecular Weight:	332.22
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-3 (Compound 7a) is a COX-1 and COX-2 inhibitor. COX-2-IN-15 shows anti-inflammatory activity with low toxicity [1].	
IC₅₀ & Target	COX-1	COX-2
In Vivo	COX-1/2-IN-3 (Compound 7a) (1.25 and 0.625 mg/ear) exhibits a high level of in vivo anti-inflammatory activity, reducing ear edema and myeloperoxidase (MPO) activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

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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