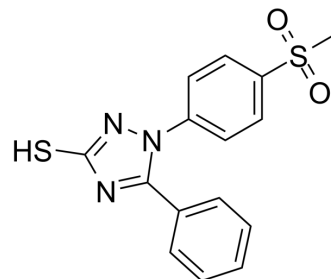


COX-2-IN-7

Cat. No.:	HY-115934
Molecular Formula:	C ₁₅ H ₁₃ N ₃ O ₂ S ₂
Molecular Weight:	331.41
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-7 (compound 4a) is a potent, selective, and orally active inhibitor of COX-2 with an IC₅₀ of 6.585 μM. COX-2-IN-7 has higher COX-2 selectivity than Celecoxib. COX-2-IN-7 shows good in vivo anti-inflammatory and low ulcerogenic activity^[1].

REFERENCES

[1]. Abdellatif KRA, et al. Design, synthesis, and pharmacological evaluation of novel and selective COX-2 inhibitors based on celecoxib scaffold supported with in vivo anti-inflammatory activity, ulcerogenic liability, ADME profiling and docking study [published online ahead of print, 2022 Jan 19]. *Bioorg Chem.* 2022;120:105627.

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

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