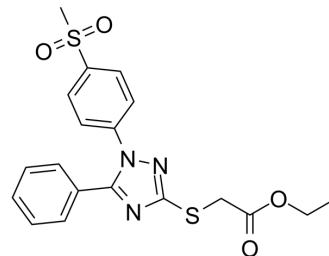


COX-2-IN-8

| | |
|--------------------|---|
| Cat. No.: | HY-115935 |
| Molecular Formula: | C ₁₉ H ₁₉ N ₃ O ₄ S ₂ |
| Molecular Weight: | 417.5 |
| 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-8 (compound 6a) is a potent, selective, and orally active inhibitor of COX-2 with an IC₅₀ of 6.585 μM. COX-2-IN-8 has higher COX-2 selectivity than Celecoxib. COX-2-IN-8 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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