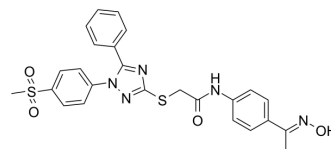


## COX-2-IN-9

Cat. No.:	HY-115936
Molecular Formula:	C <sub>25</sub> H <sub>23</sub> N <sub>5</sub> O <sub>4</sub> S <sub>2</sub>
Molecular Weight:	521.61
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-9 (compound 7a) is a potent, selective, and orally active inhibitor of COX-2 with an IC<sub>50</sub> of 10.17 μM. COX-2-IN-9 has higher COX-2 selectivity than Celecoxib. COX-2-IN-9 shows good in vivo anti-inflammatory and low ulcerogenic activity<sup>[1]</sup>.

## 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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