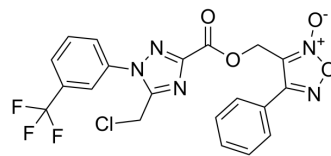


## COX-2-IN-33

Cat. No.:	HY-149355
Molecular Formula:	C <sub>20</sub> H <sub>13</sub> ClF <sub>3</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	479.8
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-33 (compound 5f) is a COX-2 inhibitor (IC <sub>50</sub> =45.5 nM), as well as a potential anti-inflammatory agent. COX-2-IN-33 inhibits in vivo pro-inflammatory cytokine production and keep gastric safety <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: 45.5 nM (COX-2)

### REFERENCES

[1]. Li SM, et al. Synthesis and anti-inflammatory activity evaluation of NO-releasing furoxan/1,2,4-triazole hybrid derivatives. Eur J Med Chem. 2023 Sep 5;257:115496.

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

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