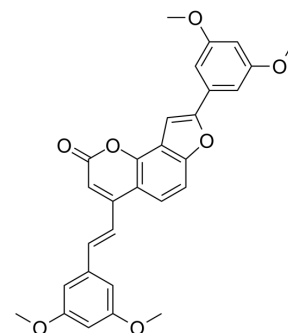


COX-2-IN-22

| | |
|---------------------------|-------------------------------------------------------------------------------------------|
| Cat. No.: | HY-147870 |
| CAS No.: | 2447589-08-2 |
| Molecular Formula: | C ₂₉ H ₂₄ O ₇ |
| Molecular Weight: | 484.5 |
| Target: | COX; AChE; Beta-secretase |
| Pathway: | Immunology/Inflammation; Neuronal Signaling |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | | | | |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------|-------------------------------------|
| Description | COX-2-IN-22 (Compound 4h) is a COX-2 inhibitor with an IC ₅₀ of 8.6 μM. COX-2-IN-22 also inhibits AChE, BChE, β-Secretase, LOX-5 and DPPH with IC ₅₀ values of 2.8, 6.3, 15.3, 13.9 and 6.8 μM, respectively. COX-2-IN-22 can cross BBB ^[1] . | | | |
| IC₅₀ & Target | AChE 2.8 μM (IC ₅₀) | BChE 6.3 μM (IC ₅₀) | DPPH 6.8 μM (IC ₅₀) | COX-2 8.6 μM (IC ₅₀) |
| | LOX-5 13.9 μM (IC ₅₀) | β-Secretase 15.3 μM (IC ₅₀) | | |

REFERENCES

[1]. Agbo EN, et al. Synthesis of furocoumarin-stilbene hybrids as potential multifunctional drugs against multiple biochemical targets associated with Alzheimer's disease. Bioorg Chem. 2020 Aug;101:103997.

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

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