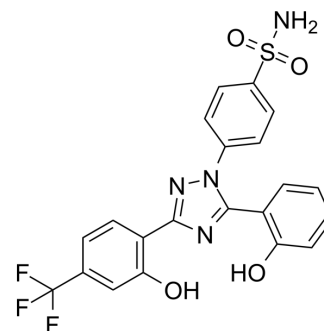


## Anti-inflammatory agent 56

Cat. No.:	HY-155997
CAS No.:	2413127-32-7
Molecular Formula:	C <sub>21</sub> H <sub>15</sub> F <sub>3</sub> N <sub>4</sub> O <sub>4</sub> S
Molecular Weight:	476.43
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Anti-inflammatory agent 56 (Compound 9) is a selective COX-2 inhibitor (IC <sub>50</sub> : 0.54 μM). Anti-inflammatory agent 56 has anti-oxidant and anti-inflammatory effects. Anti-inflammatory agent 56 inhibits oxidative stress induced cell death. Anti-inflammatory agent 56 inhibits oxidative stress and neuroinflammation by inhibiting Keap1, COX-2 and iNOS. Anti-inflammatory agent 56 has low acute toxicity in mice (LD <sub>50</sub> : 1000 mg/kg) <sup>[1]</sup> .
IC <sub>50</sub> & Target	COX-2

### REFERENCES

[1]. Wang Y, et al. Synthesis of 1,3,5-triphenyl-1,2,4-triazole derivatives and their neuroprotection by anti-oxidative stress and anti-inflammation and protecting BBB. Eur J Med Chem. 2023 Nov 15;260:115742.

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

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