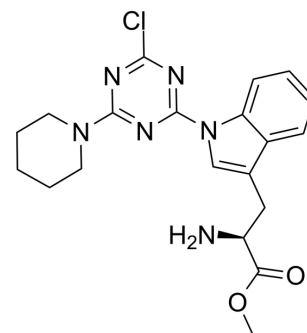


COX-2-IN-17

Cat. No.:	HY-147748
CAS No.:	2411390-10-6
Molecular Formula:	C ₂₀ H ₂₃ ClN ₆ O ₂
Molecular Weight:	414.89
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-17 (compound 10) is a potent and BBB-penetrated COX-2 (cyclooxygenase-2) inhibitor, with an IC ₅₀ of 0.02 μM. COX-2-IN-17 shows anti-inflammatory and analgesic activities. COX-2-IN-17 attenuates hyperalgesia in the neurogenic phase as well as the inflammatory phase ^[1] .	
IC₅₀ & Target	COX-2 0.02 μM (IC ₅₀)	COX-1 >10 μM (IC ₅₀)

REFERENCES

[1]. Kumari P, et al. Modification of the lead molecule: Tryptophan and piperidine appended triazines reversing inflammation and hyperalgesia in rats. Bioorg Med Chem. 2020 Jan 15;28(2):115246.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA