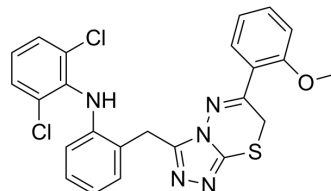


COX-2/NLRP3-IN-1

Cat. No.:	HY-161266
Molecular Formula:	C ₂₄ H ₁₉ Cl ₂ N ₅ OS
Molecular Weight:	496.41
Target:	COX; NOD-like Receptor (NLR); NF-κB
Pathway:	Immunology/Inflammation; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	COX-2/NLRP3-IN-1 (Compound 6k) is a COX-2/NLRP3 inhibitor with a IC ₅₀ of 1.53 μM for COX-2. COX-2/NLRP3-IN-1 exerts anti-inflammatory effects by inhibiting the NF-κB/NLRP3 signaling pathway ^[1] .
IC ₅₀ & Target	COX-2 1.53 μM (IC ₅₀)

REFERENCES

[1]. Ju Z, et al. Structural modification based on the diclofenac scaffold: Achieving reduced colitis side effects through COX-2/NLRP3 selective inhibition. Eur J Med Chem. 2024 Feb 17;268:116257.

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