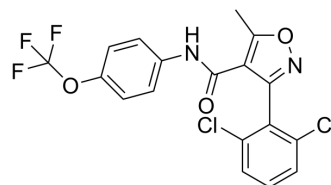


COX-2-IN-43

Cat. No.:	HY-163509
CAS No.:	1023524-40-4
Molecular Formula:	C ₁₈ H ₁₁ Cl ₂ F ₃ N ₂ O ₃
Molecular Weight:	431.19
Target:	COX; Apoptosis
Pathway:	Immunology/Inflammation; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	COX-2-IN-43 (Compound MYM4) is a COX-2 inhibitor (IC ₅₀ : 0.983 and 0.247 μM for COX-1 and COX-2 respectively). COX-2-IN-43 inhibits cancer cell proliferation and colonization, induces apoptosis ^[1] .	
IC₅₀ & Target	COX-1 0.983 μM (IC ₅₀)	COX-2 0.247 μM (IC ₅₀)
In Vitro	COX-2-IN-43 shows antiproliferative effects against CaCo-2, Hep3B, and HeLa cancer cell lines, with IC ₅₀ values of 10.22, 4.84, and 1.57 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Hawash M, et al. Exploration of isoxazole analogs: Synthesis, COX inhibition, anticancer screening, 3D multicellular tumor spheroids, and molecular modeling. Eur J Med Chem. 2024 Apr 15;271:116397.

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