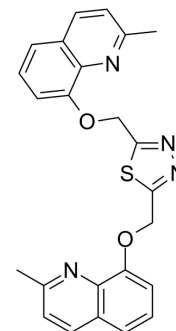


XO/COX/LOX-IN-1

Cat. No.:	HY-151173
CAS No.:	2831329-35-0
Molecular Formula:	C ₂₄ H ₂₀ N ₄ O ₂ S
Molecular Weight:	428.51
Target:	Xanthine Oxidase; Lipoxygenase; COX
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

XO/COX/LOX-IN-1 (compound 7i) is a potent xanthine oxidase/cyclooxygenases/lipoxygenases (XO/COX/LOX) inhibitor. XO/COX/LOX-IN-1 can be used in studies of inflammation, cancer and metabolic diseases^[1].

REFERENCES

[1]. Zabiulla, et al. In-silico docking, synthesis, structure analysis, DFT calculations, energy frameworks, and pharmacological intervention of [1,3,4]-thiadiazoles analogous as XO inhibitor and on multiple molecular inflammatory targets COX and LOX. Journal of Molecular Structure. 2021 Dec;1253(1-2):132272.

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

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