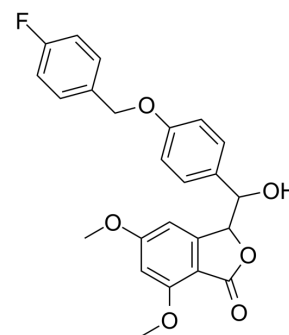


Anti-inflammatory agent 21

Cat. No.:	HY-146421
CAS No.:	2408836-40-6
Molecular Formula:	C ₂₄ H ₂₁ FO ₆
Molecular Weight:	424.42
Target:	NO Synthase; NF-κB; Reactive Oxygen Species
Pathway:	Immunology/Inflammation; NF-κB; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anti-inflammatory agent 21 (compound 9o) is an orally active and low cytotoxic anti-inflammatory agent, with an IC ₅₀ value of 0.76 μM for NO. Anti-inflammatory agent 21 acts via accumulation ROS and blocks the NF-κB/MAPK signaling pathway. Anti-inflammatory agent 21 can ameliorate cartilage destruction and inflammatory cell infiltration in arthritis rats model ^[1] .
IC₅₀ & Target	IC ₅₀ : 0.76 μM (NO) ^[1]

REFERENCES

[1]. Chen LZ, Wu J, Li K, et al. Novel phthalide derivatives: Synthesis and anti-inflammatory activity in vitro and in vivo. Eur J Med Chem. 2020;206:112722.

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

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