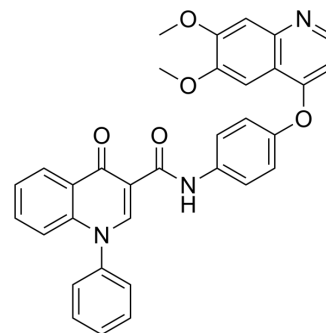


Anti-inflammatory agent 41

Cat. No.:	HY-149816
CAS No.:	2896204-90-1
Molecular Formula:	C ₃₃ H ₂₅ N ₃ O ₅
Molecular Weight:	543.57
Target:	Interleukin Related; TNF Receptor; NF-κB
Pathway:	Immunology/Inflammation; Apoptosis; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anti-inflammatory agent 41 (13a) significantly inhibit lipopolysaccharide (LPS)-induced expression of the proinflammatory cytokines IL-6 and TNF-α on J774A.1, THP-1 and LX-2 cells, and inhibits the activation of the NF-κB pathway ^[1] .
In Vitro	Anti-inflammatory agent 41 (13a) significantly reduced the LPS-induced nuclear translocation of p65 in J774A.1 macrophages ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Jun Yang, et al. Discovery of 4-oxo-N-phenyl-1,4-dihydroquinoline-3-carboxamide derivatives as novel anti-inflammatory agents for the treatment of acute lung injury and sepsis. *Eur J Med Chem.* 2023 Mar 5;249:115144.

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

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