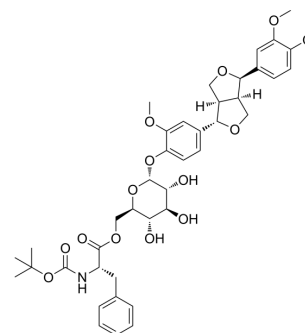


Anti-inflammatory agent 74

Cat. No.:	HY-157809
Molecular Formula:	C ₄₁ H ₅₁ NO ₁₄
Molecular Weight:	781.84
Target:	Interleukin Related; TNF Receptor; NF-κB; p38 MAPK
Pathway:	Immunology/Inflammation; Apoptosis; NF-κB; MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anti-inflammatory agent 74 (B5) is an anti-inflammatory agent that can inhibit NO, IL-6, and TNF-α, with IC ₅₀ values of 10.88 μM and 4.93 μM for NO and IL-6, respectively. Anti-inflammatory agent 74 alleviates acute lung injury (ALI) by regulating inflammatory mediators and inhibiting the MAPK and NF-κB signaling pathways ^[1] .
IC₅₀ & Target	IC ₅₀ : 10.88 μM (NO) ^[1] . IC ₅₀ : 4.92 μM (IL-6) ^[1] .

REFERENCES

[1]. Guo Hong-Yan, et al. "Design and synthesis of forsythin derivatives as anti-inflammatory agents for acute lung injury." *European Journal of Medicinal Chemistry* (2024): 116223.

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

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