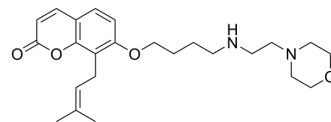


AMPK-IN-5

Cat. No.:	HY-162317
Molecular Formula:	C ₂₄ H ₃₄ N ₂ O ₄
Molecular Weight:	414.54
Target:	JAK; p38 MAPK
Pathway:	Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt; MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

AMPK-IN-5 (compound 7m) is a Osthole (HY-N0054) derivative, and blocks MAPK signal transduction by inhibiting the phosphorylation of JNK and p38, thereby inhibiting the release of inflammatory cytokines. AMPK-IN-5 reduce DSS-induced ulcerative colitis and LPS (HY-D1056)-induced acute lung injury^[1].

REFERENCES

[1]. Zhou Y, et al. Discovery of novel osthole derivatives exerting anti-inflammatory effect on DSS-induced ulcerative colitis and LPS-induced acute lung injury in mice. *Eur J Med Chem.* 2024 Feb 22;268:116252.

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