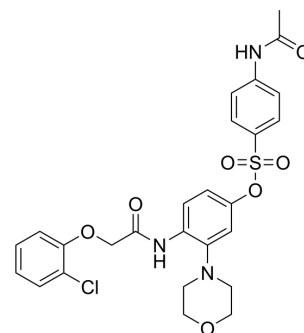


Anti-osteoporosis agent-4

Cat. No.:	HY-149472
Molecular Formula:	C ₂₆ H ₂₆ ClN ₃ O ₇ S
Molecular Weight:	560.02
Target:	NF-κB; PI3K
Pathway:	NF-κB; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Anti-osteoporosis agent-4 (Compound 11h) inhibits differentiation of primary osteoclasts. Anti-osteoporosis agent-4 attenuates RANKL-induced osteoclastogenesis. Anti-osteoporosis agent-4 inhibits osteoclast formation with an IC₅₀ value of 358.29 nM. Anti-osteoporosis agent-4 inhibits PI3K/AKT and IκBα/NF-κB signaling pathway activation^[1].

REFERENCES

[1]. Chen Z, et al. Synthesis and evaluation of 2-NMPA derivatives as potential agents for prevention of osteoporosis in vitro and in vivo. *Eur J Med Chem.* 2023 Aug 28;260:115767.

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