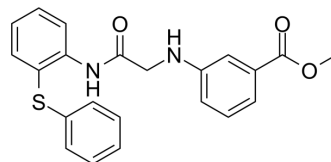


Anti-osteoporosis agent-3

Cat. No.:	HY-149852
CAS No.:	2944463-16-3
Molecular Formula:	C ₂₂ H ₂₀ N ₂ O ₃ S
Molecular Weight:	392.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Anti-osteoporosis agent-3 (Compound 11), a PMSA derivative, is an anti-osteoporosis agent. Anti-osteoporosis agent-3 inhibits osteoclastogenesis with an IC₅₀ value of 322.9 nM in vitro. Anti-osteoporosis agent-3 also blocks the formation of F-actin belts and bone resorption^[1].

REFERENCES

[1]. Chen Z, et al. Discovery of PMSA Derivative 11 as a Novel Lead Compound for Therapeutic Treatment of Osteoporosis In Vitro and In Vivo. *J Med Chem.* 2023 May 25;66(10):6766-6781.

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

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