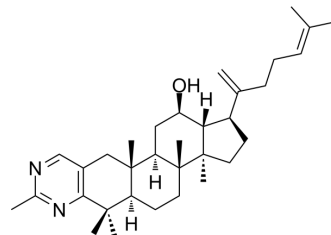


SH491

Cat. No.:	HY-155960
CAS No.:	2975285-28-8
Molecular Formula:	C ₃₃ H ₅₀ N ₂ O
Molecular Weight:	490.76
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

SH491 (Compound 33) is an antiosteoporosis agent. SH491 inhibits RANKL-induced osteoclast differentiation on bone-marrow-derived monocytes (BMMs) (IC₅₀: 11.8 nM). SH491 inhibits the expression of osteoclastogenesis-related marker genes (TRAP, CTSK, MMP-9, and ATPase v0d2) and proteins (TRAP, CTSK, MMP-9)^[1].

REFERENCES

[1]. Wang SJ, et al. Synthesis and Biological Evaluation of Heterocyclic Ring-Fused 20(S)-Protopanaxadiol Derivatives as Potent Antiosteoporosis Agents. *J Med Chem.* 2023 Aug 19.

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

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