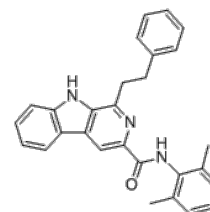


Product Name : Y1693
Cat. No. : PC-49234
CAS No. : 2812381-74-9
Molecular Formula : C₂₈H₂₅N₃O
Molecular Weight : 419.528
Target : NF-κB
Solubility : 10 mM in DMSO



Biological Activity

Y1693 is a potent, orally active small-molecule **RANKL** inhibitor, effectively prevents RANKL-induced osteoclastogenesis (89% inhibition at 1 uM) and bone resorption.

Y1693 also suppressed the expression of osteoclasts (OCs) marker genes.

Y1693 demonstrated good tolerability and efficacy in an orally administered mouse model of osteoporosis as well as the ability to rescue alveolar bone loss in vivo caused by periodontal disease.

References

Yang K, et al. *J Med Chem.* 2022 Aug 12. doi: 10.1021/acs.jmedchem.2c00081.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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