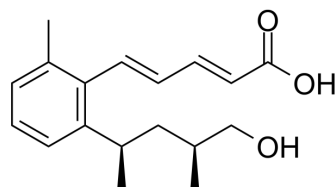


## Penicisteck acid F

Cat. No.:	HY-N12604
Molecular Formula:	C <sub>18</sub> H <sub>24</sub> O <sub>3</sub>
Molecular Weight:	288.38
Target:	NF-κB
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Penicisteck acid F (Compound 2) is a Marine derived tanzanic acid derivative that is a NF-κB inhibitor. Penicisteck acid F inhibits osteoclast expression by decreasing RANKL-induced IκBα degradation, NF-κB p65 nuclear translocation, NFATc1 activation and nuclear translocation, and related mRNA expression. Penicisteck acid F can be used in osteoporosis research [1].

### REFERENCES

[1]. Chen C, et al. Identifying Marine-Derived Tanzawaic Acid Derivatives as Novel Inhibitors against Osteoclastogenesis and Osteoporosis via Downregulation of NF-κB and NFATc1 Activation. J Med Chem. 2024 Feb 22;67(4):2602-2618.

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

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