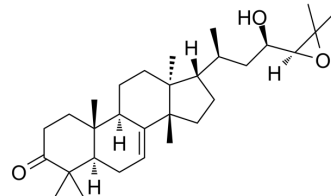


## Niloticin

Cat. No.:	HY-N3188
CAS No.:	115404-57-4
Molecular Formula:	C <sub>30</sub> H <sub>48</sub> O <sub>3</sub>
Molecular Weight:	456.7
Target:	Akt; NF-κB
Pathway:	PI3K/Akt/mTOR; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Niloticin, tetracyclic triterpenoid compound, is an osteoclastogenesis inhibitor. Niloticin shows anti-viral, antioxidative, and mosquitocidal activities. Niloticin inhibits osteoclastogenesis by blocking RANKL-RANK interaction and suppressing the AKT, MAPK, and NF-κB signaling pathways<sup>[1]</sup>.

### REFERENCES

[1]. Xu H, et al. Niloticin inhibits osteoclastogenesis by blocking RANKL-RANK interaction and suppressing the AKT, MAPK, and NF-κB signaling pathways. *Biomed Pharmacother.* 2022 May;149:112902.

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

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