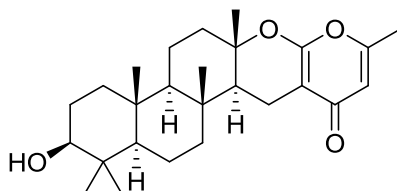


Chevalone E

Code No.: **BIA-C1879**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : Deacetylchevalone C

Specifications

CAS #	: 1315451-94-5
Molecular Formula	: C ₂₆ H ₃₈ O ₄
Molecular Weight	: 414.6
Source	: <i>Aspergillus</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Chevalone E is a minor analogue of the meroterpenoid chevalone family, isolated from *Aspergillus similanensis* by researchers in Portugal. Chevalone E is closely related to the azonapyrones and sartorypyrones. Chevalone E is synergistic when used with oxacillin against methicillin-resistant *Staphylococcus aureus* (MRSA) but not with ampicillin. Other members of the chevalone family show weak activity against *Mycobacterium tuberculosis* and tumor cell lines.

References

1. New isocoumarin derivatives and meroterpenoids from the marine sponge-associated fungus *Aspergillus similanensis* sp. nov. KUFA 0013. Prompanya C. et al., *Mar. Drugs* 2014, 12, 5160.
2. Bioactive meroterpenoids and alkaloids from the fungus *Eurotium chevalieri*. Kanokmedhakul K. et al., *Tetrahedron* 2011, 67, 5461.
3. Chevalone C analogues and globoscinic acid derivatives from the fungus *Neosartorya spinosa* KKU-1NK1. Rajachan O. et al., *Phytochem.* 2016, 132, 68.