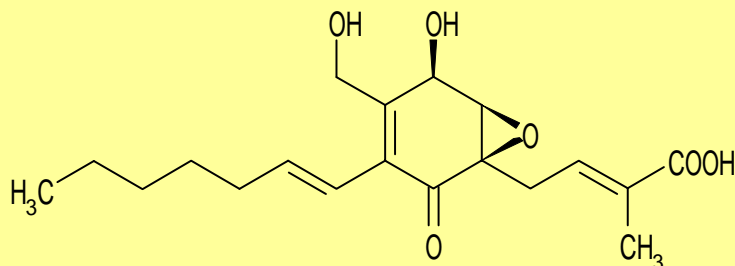


Ambuic Acid

Cat.# BLK1110

Structure



Origin: *Pestalotipsis* sp.

CAS Registry Number: none

CA Index Name: (E)-4-[(6 α)-3-[(E)-1-Hepteny]-2-oxo-4-(hydroxymethyl)-5 β -hydroxy-7-oxabicyclo[4.1.0]hepta-3-ene-1 α -yl]-2-methyl-2-butenoic Acid

Appearance: off white solid

Molecular Formula/ Weight: C₁₉H₂₆O₆=350.41

Melting Point: 125-128

Purity: >95.0% by HPLC

Solubility: Sol. in 1mg/ml EtOH, MeOH, DMSO

Background Information:

Ambuic acid was isolated from *Pestalotiopsis* sp. and *Monochaetia* sp., and showed antimicrobial activity against the Gram-positive bacterium. It inhibited the biosynthesis of the cyclic peptide quormones of *Staphylococcus aureus* and *Listeria innocua*.

Handling and Storage:

Store at -20 .

References:

1. Phytochemistry. 2001 Mar;56(5):463-8.
2. Antimicrob Agents Chemother. 2009 Feb;53(2):580-6.
3. J Nat Prod. 2009 Jan;72(1):182-6. Erratum in: J Nat Prod.

For Laboratory Research Use Only, Not For Use in Humans

Manufactured with Cortesy strain from The Kitasato Institute.