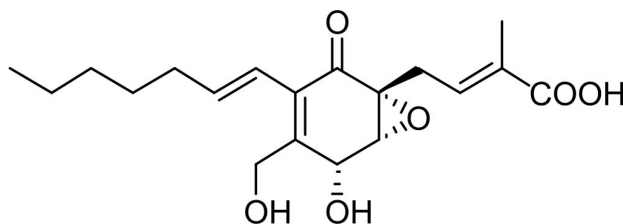


Ambuic acid

Code No.: BIA-A2563

Pack sizes.: 1mg, 5mg



Synonyms:
(+)-Ambuic acid

Specifications

CAS #	: 340774-69-8
Molecular Formula	: C19H26O6
Molecular Weight	: 350.41
Source	: -
Appearance	: Brown oil
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Ambuic acid is an antifungal cyclohexanone metabolite produced by *Pestalotiopsis* spp. Ambuic acid inhibits the biosynthesis of quorum sensing peptides in Gram-positive bacteria. Ambuic acid may exert anti-inflammatory action by blocking the activation of the ERK/JNK MAPK signaling pathway, without the involvement of the p38 MAPK or NF-κB signaling pathways.

References

1. Ambuic acid, a highly functionalized cyclohexenone with antifungal activity from *Pestalotiopsis* spp. and *Monochaetia* sp. Li J.Y. et al. *Phytochem.* 2001, 56, 463.
2. Ambuic acid inhibits the biosynthesis of cyclic peptide quormones in gram-positive bacteria . Jiro N. et al. *Antimicrob. Agents Chemother.* 2009, 53, 580.