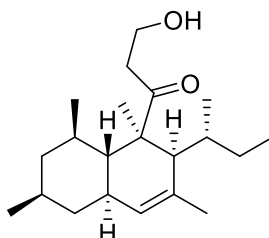


Probetaenone I

Code No.: **BIA-P2561**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms : (-)-Probetaenone I

Specifications

CAS #	: 115473-44-4
Molecular Formula	: C ₂₁ H ₃₆ O ₂
Molecular Weight	: 320.51
Source	: <i>Pleospora betae</i>
Appearance	: Colourless residue
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Probetaenone I was isolated as a biosynthetic precursor of betaenone B by Oikawa and co-workers in 1988. Probetaenone I is a phytotoxic metabolite isolated from *Phoma betae* Fr., a causal fungus of leaf spot disease on sugar beet.

References

1. Biosynthetic study of betaenone B: origin of the oxygen atoms and accumulation of a deoxygenated intermediate using P-450 inhibitor. Oikawa H. et al. J Chem Soc Chem Commun. 1988, 600.
2. Synthesis of (-)-probetaenone I: structural confirmation of biosynthetic precursor of betaenone B. Miko S. et al. J Chem Soc Perkin Trans. 1. 1990, 1228.