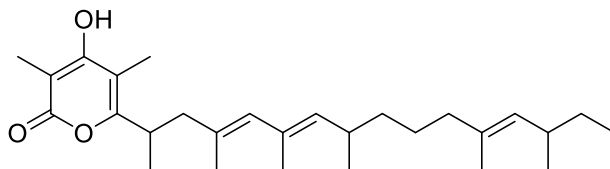


Alternapyrone

Code No.: **BIA-A2560**

Pack sizes: **0.25 mg, 1 mg**



Synonyms :

Specifications

CAS #	: 676340-02-6
Molecular Formula	: C₂₈H₄₄O₃
Molecular Weight	: 428.65
Source	: <i>Parastagonospora nodorum</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Alternapyrone is a polyketide phytotoxin produced by *Alternaria solani*, a causal fungus of early blight disease to tomato and potato and *Parastagonospora nodorum*, a fungal wheat pathogen. The biosynthesis of alternapyrone using an iterative type I polyketide synthase has been reported.

References

1. An iterative type I polyketide synthase PKS_N catalyzes synthesis of the decaaketide alternapyrone with regio-specific octa-methylation. Isao et al. Chem Biol. 2005, 12, 1301.
2. Chemical ecogenomics-guided discovery of phytotoxic α -pyrones from the fungal wheat pathogen *Parastagonospora nodorum*. Li H. et al. Org. Lett. 2018, 20, 6148.