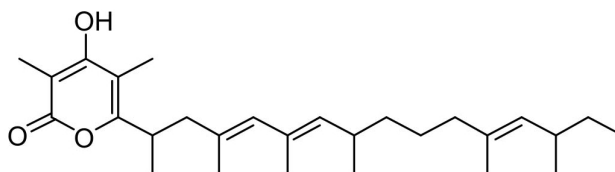


Code No.: BIA-A2560

## Alternapyrone

Pack sizes.: 0.25mg, 1mg



Synonyms:

-

## Specifications

CAS #	: <b>676340-02-6</b>
Molecular Formula	: <b>C<sub>28</sub>H<sub>44</sub>O<sub>3</sub></b>
Molecular Weight	: <b>428.65</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in methanol or DMSO</b>

## Application Notes

Alterpyrone is a polyketide with phytotoxic activity. The biosynthesis of alterpyrone using gene clusters from *Alternaria solani*, a fungus of early blight disease to tomato and potato, and *Parastagonospora nodorum*, a fungal wheat pathogen, has been reported.

## References

1. An iterative type I polyketide synthase PKS<sub>N</sub> catalyzes synthesis of the decaketide alternapyrone with regio-specific octa-methylation. Isao et al., Chem. Biol. 2005, 12, 1301.
2. Chemical ecogenomics-guided discovery of phytotoxic  $\alpha$ -pyrones from the fungal wheat pathogen *Parastagonospora nodorum*. Li H. et al. Org. Lett. 2018, 20, 6148.