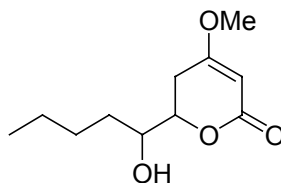


Pestalotin

Code: **BIA-P1067**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : **6-Hydroxy-3-methoxy-2-decen-5-olide, Antibiotic LL-P880 α**

Specifications

CAS # : **34565-32-7**
Molecular Formula : **C₁₁H₁₈O₄**
Molecular Weight : **214.3**
Source : ***Penicillium decumbens* MST-FP1680**
Appearance : **White Powder**
Purity : **> 99% by HPLC**
Long Term Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO**

Application Notes

Pestalotin is a pyran-2-one metabolite produced by *Penicillium decumbens*. It has been reported to act as a gibberellin synergist and plant growth stimulator. Pestalotin did not influence elongation of rice seedlings when given alone, but acted synergistically to enhance gibberellic acid induced elongation.

References

1. Biological activity of pestalotins on the elongation growth of rice seedlings. Kimura Y. *Plant and Cell Physiol.* **1977**, 18, 1177.
2. Regulation of lettuce hypocotyl elongation by gibberellic acid. Interaction of gibberellic acid and gibberellin synergists - dihydroconiferyl alcohol, pestalotin and a triazinone compound Kamisaka S. *Plant and Cell Physiol.* **1979**, 20, 583.