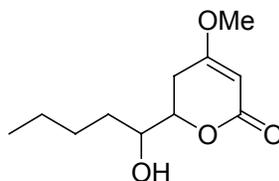


## Pestalotin

Code: **BIA-P1067**

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



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

### Specifications

CAS # : **34565-32-7**  
Molecular Formula : **C<sub>11</sub>H<sub>18</sub>O<sub>4</sub>**  
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.