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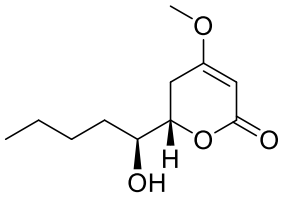
PRODUCT DATA SHEET

Pestalotin

Code No.: **BIA-P1067**

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



Synonyms : 6-Hydroxy-3-methoxy-2-decen-5-olide, LL-P880 alpha

Specifications

CAS #	:	**34565-32-7**
Molecular Formula	:	**$C_{11}H_{18}O_4$**
Molecular Weight	:	**214.3**
Source	:	***Penicillium decumbens***
Appearance	:	**White Powder**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, DMSO. Poor water solubility.**

Application Notes

Pestalotin is a pyran-2-one metabolite produced by Pencillium decumbens. Pestalotin is a gibberellin synergist and plant growth stimulator. Pestalotin does not influence elongation of rice seedlings when given alone, but acts 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.

For in vitro laboratory use only. Not for human or animal use.

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