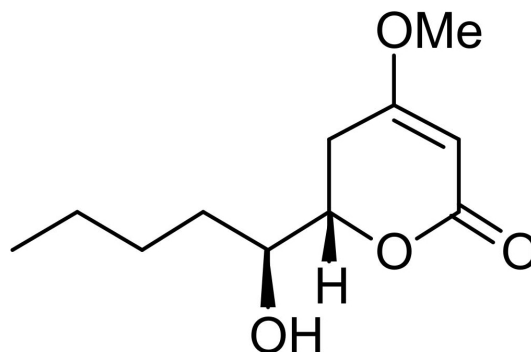


## Pestalotin

Code No.: BIA-P1067

Pack sizes.: 0.5mg, 2.5mg



### Synonyms:

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

## Specifications

CAS #	: <b>34565-32-7</b>
Molecular Formula	: <b>C11H18O4</b>
Molecular Weight	: <b>214.3</b>
Source	: -
Appearance	: <b>White Powder</b>
Purity	: <b>&gt;99% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</b>

## Application Notes

Pestalotin is a pyran-2-one metabolite produced by *Penicillium 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.