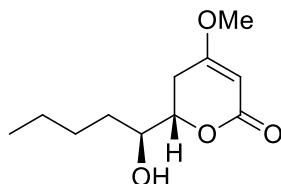


## Pestalotin

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 #             | : <b>34565-32-7</b>  |
| Molecular Formula | : <b>C<sub>11</sub>H<sub>18</sub>O<sub>4</sub></b>                         |
| Molecular Weight  | : <b>214.3</b>   |
| Source            | : <b><i>Penicillium decumbens</i></b>                                      |
| Appearance        | : <b>White Powder</b>  |
| Purity            | : <b>&gt;95% 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.