

Product Name:	Pestalotin
Product Number:	P077
CAS Number:	34565-32-7
Molecular Formula:	C ₁₁ H ₁₈ O ₄
Molecular Weight:	214.3
Appearance:	White Powder
Storage Conditions:	-20°C
Description:	<p>Pestalotin is a pyran-2-one metabolite produced by <i>Penicillium decumbens</i>. 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.</p> <p>Pestalotin is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</p>
References:	<p>Biological activity of pestalotins on the elongation growth of rice seedlings. Kimura Y. Plant and Cell Physiol 1977, 18, 1177.</p> <p>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.</p>