

<b>Product Name:</b>	Sporidesmolide
<b>Product Number:</b>	S095
<b>CAS Number:</b>	11113-90-9
<b>Molecular Formula:</b>	C <sub>34</sub> H <sub>60</sub> N <sub>4</sub> O <sub>8</sub> (for sporidesmolide II)
<b>Molecular Weight:</b>	652.9
<b>Appearance:</b>	Off white to light tan solid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>Sporidesmolide is a family of five closely related cyclic depsipeptides produced by <i>Pithomyces chartarum</i>, the pathogen responsible for facial eczema in sheep, first reported by Russell and colleagues at CSIR in New Zealand in 1961. Sporidesmolide complex contains three dominant components, I, II and V, with lesser quantities of the more polar III and only traces of sporidesmolide IV. The biological activity of the sporidesmolides has not been reported in the literature.</p> <p>Sporidesmolide is soluble in ethanol, methanol, DMF and DMSO.</p>
<b>References:</b>	<p>The production of sporidesmin and sporidesmolides by <i>Pithomyces chartarum</i>. Done J. J. Gen. Microbiol. 1961, 26, 207.</p> <p>Sporidesmolide I, a metabolic product of <i>Sporidesmium bakeri</i> Syd. Russell D.W. Biochim. Biophys. Acta 1960, 45, 411.</p> <p>Depsipeptides of <i>Pithomyces chartarum</i>: the structure of sporidesmolide I. Russell D.W. J. Chem. Soc., 1962, 753.</p> <p>Effects of stereoisomeric isoleucines on sporidesmolide biosynthesis by <i>Pithomyces chartarum</i>. Russell D.W. J. Gen. Microbiol. 1967, 47, 335.</p>