

**Product Name:** Sporidesmolide III

**Product Number:** S098

**CAS Number:** 1803-67-4

**Molecular Formula:** C<sub>32</sub>H<sub>56</sub>N<sub>4</sub>O<sub>8</sub>

**Molecular Weight:** 624.4

**Appearance:** Off white to light tan solid

**Storage Conditions:** -20°C

**Description:** Sporidesmolide III is the only non-N-methylated analogue of the hexadepsipeptide sporidesmolide complex, eluting in advance of the more abundant N-methyl analogues on reverse phase HPLC. Sporidesmolide III is the demethyl analogue of sporidesmolide I and is thus comprised of D- and L-amino acids utilising two leucine and four valine sub-units, where two of the valines are converted to the corresponding valic acid. The biological activity of sporidesmolide III has not been extensively investigated.

Sporidesmolide III is soluble in ethanol, methanol, DMF and DMSO.

**References:** The production of sporidesmin and sporidesmolides by *Pithomyces chartarum*. Done J. J. Gen. Microbiol. 1961, 26, 207.

Depsipeptides of *Pithomyces chartarum*: the structure of sporidesmolide I. Russell D.W. J. Chem. Soc. 1962, 753.

The structure of the cyclohexadepsipeptide, sporidesmolide III. Russell D.W. et al. Tet. Lett. 1964, 5, 2759.