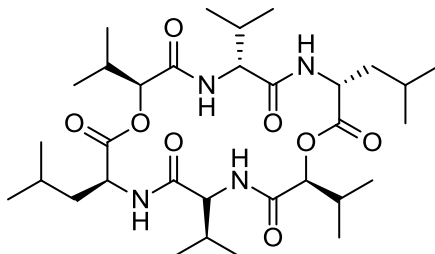


Sporidesmolide III

Code No.: **BIA-S1605**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	: 1803-67-4
Molecular Formula	: C ₃₂ H ₅₆ N ₄ O ₈
Molecular Weight	: 624.4
Source	: <i>Pithomyces</i> sp.
Appearance	: Off white to light tan solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

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.

References

1. The production of sporidesmin and sporidesmolides by *Pithomyces chartarum*. Done J. J. Gen. Microbiol. 1961, 26, 207.
2. Depsipeptides of *Pithomyces chartarum*: the structure of sporidesmolide I. Russell D.W. J. Chem. Soc. 1962, 753.
3. The structure of the cyclohexadepsipeptide, sporidesmolide III. Russell D.W. et al. Tet. Lett. 1964, 5, 2759.

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