

PRODUCT DATA SHEET

Code No.: BIA-S1605

Pack sizes.: 0.5mg, 2.5mg

Sporidesmolide III

Synonyms:

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Specifications

CAS # : 1803-67-4

Molecular Formula : C32H56N4O8

Molecular Weight : 624.8

Source :-

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.