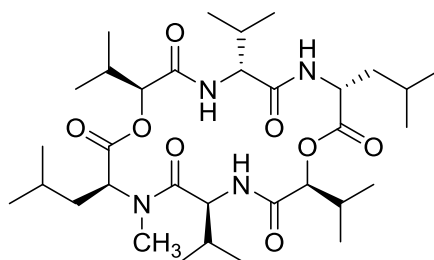


Sporidesmolide I

Code No.: **BIA-S1603**

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



Synonyms :

Specifications

| | | |
|-------------------|---|---|
| CAS # | : | 2900-38-1 |
| Molecular Formula | : | C₃₃H₅₈N₄O₈ |
| Molecular Weight | : | 638.8 |
| 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 I is the most polar of N-methyl analogues belonging the hexadepsipeptide sporidesmolide complex. Biosynthesis of sporidesmolide I involves the use 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 I 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. Sporidesmolide I, a metabolic product of *Sporidesmium bakeri* Syd. Russell D.W. Biochim. Biophys. Acta 1960, 45, 411.
3. Depsipeptides of *Pithomyces chartarum*: the structure of sporidesmolide I. Russell D.W. J. Chem. Soc. 1962, 753.
4. Biosynthetic non-equivalence of the D- and L-valine residues in sproidesmolide I. Russell D.W. Biochim. Biophys. Acta 1971, 261, 469.