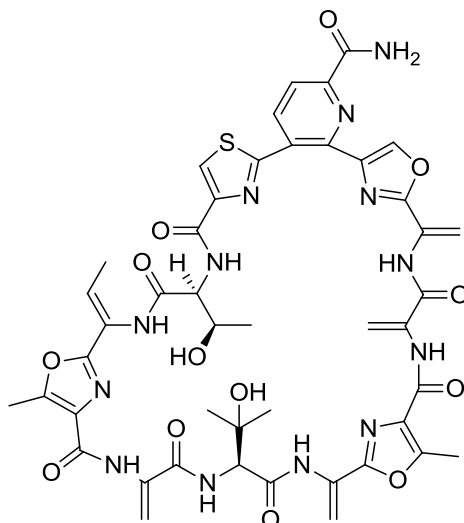


Berninamycin D

Code No.: **BIA-B1147**

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



Synonyms :

Specifications

CAS #	: 161263-50-9
Molecular Formula	: C ₄₅ H ₄₅ N ₁₃ O ₁₃ S
Molecular Weight	: 1008.0
Source	: <i>Streptomyces</i> sp.
Appearance	: White solid
Purity	: >99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in DMF or DMSO. Moderately soluble in methanol or ethanol. Poor water solubility.

Application Notes

Berninamycin D is an antibiotic isolated in 1994 from a strain of *Streptomyces* as a minor analogue of berninamycin A. Berninamycin D is a macrocyclic "peptide" comprising atypical amino acids linked to thiazole and oxazoles but does not contain the didehydroalaninyl side chain present in other members of this class. The implications of the absence of this side chain are unknown and lack of availability has prevented a fuller investigation of this metabolite.

References

1. Berninamycins B, C and D, minor metabolites from *Streptomyces bernensis*. Lau R.C. et al., J Antibiot. 1994, 47, 1466.