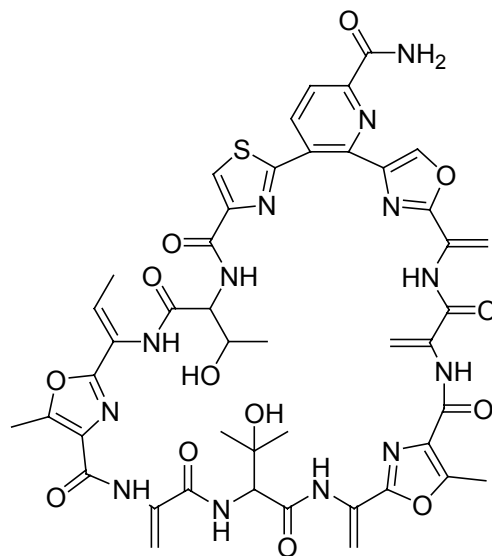


Berninamycin D

Code: **BIA-B1147**

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



Synonyms : -

Specifications

CAS # : **161263-50-9**

Molecular Formula : **C₄₅H₄₅N₁₃O₁₃S**

Molecular Weight : **1008.0**

Source : ***Streptomyces* sp. MST-AS5589**

Appearance : **White solid**

Purity : **> 99% by HPLC**

Long Term Storage : **-20°C**

Solubility : **DMSO and DMF, partially soluble in methanol and ethanol, poorly soluble in water**

Application Notes

Berninamycin D is an antibiotic discovered in 1994 isolated 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. Lau R.C. et al. Berninamycins B, C, and D, minor metabolites from *Streptomyces bernensis*. *J Antibiot.* 1994, 47, 1466.