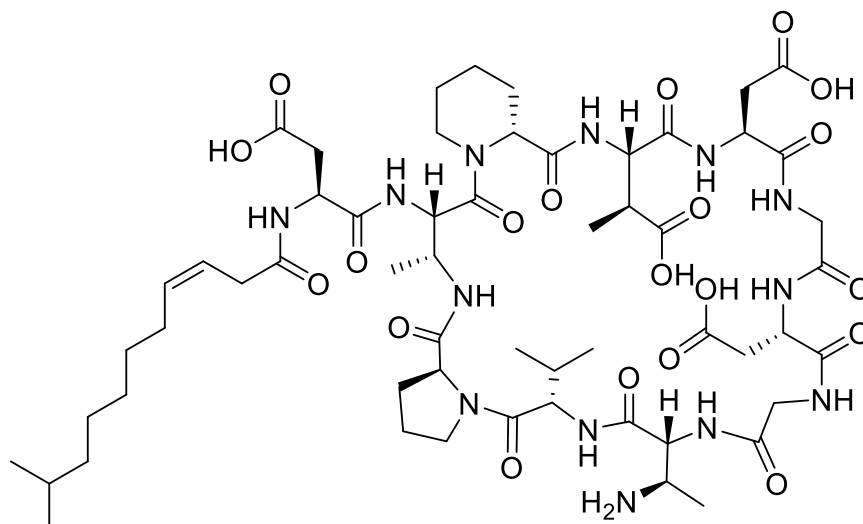


Aspartocin D

Code No.: **BIA-A1620**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

| | |
|-------------------|---|
| CAS # | : 1211953-97-7 |
| Molecular Formula | : C ₅₇ H ₈₉ N ₁₃ O ₂₀ |
| Molecular Weight | : 1276.4 |
| Source | : <i>Streptomyces</i> sp. |
| Appearance | : Off white to fawn solid |
| Purity | : >95% by HPLC |
| Long Term Storage | : -20°C |
| Solubility | : Soluble in ethanol, methanol, DMF or DMSO. |

Application Notes

Aspartocin D is a minor analogue of the amphomycin complex, a family of lipopeptide antibiotics produced by *Streptomyces canus*, isolated and reported by researchers at Fujian Institute of Microbiology in China in 2014. Aspartocin D is active against Gram positive bacteria and is presumed to act by inhibiting bacterial cell wall peptidoglycan synthesis, however its bioprofile and potential utility has not been extensively investigated.

References

1. Amphomycin. A new antibiotic. Heineman B. et al., *Antibiot. Chemother.* 1953, 3, 1239.
2. Two novel amphomycin analogs from *Streptomyces canus* strain FIM-0916. Yan H-J. et al., *Nat. Prod. Res.* 2014, 28, 861.