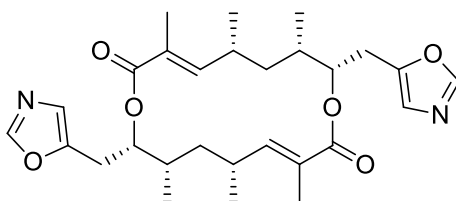


Conglobatin

Code No.: **BIA-C1022**

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



Synonyms :

Specifications

CAS #	: 72263-05-9
Molecular Formula	: C₂₈H₃₈N₂O₆
Molecular Weight	: 498.6
Source	: <i>Streptomyces conglobatus</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Isolated from *Streptomyces conglobatus*, conglobatin has a unusual dimeric macrolide dilactone structure with pendant oxazole groups. Conglobatin exhibits an IC₅₀ of 0.63 µg/ml in a NFAT-dependant transcription assay. No toxicity was observed at doses up to 1000 mg/kg when administered to mice either orally or interperitoneally.

References

1. Conglobatin, a novel macrolide dilactone from *Streptomyces conglobatus* ATCC 31005. Westley J.W. et al., J. Antibiot. 1979, 32, 874.
2. Simple aromatics identified with a NFAT-lacZ transcription assay for the detection of immunosuppressants. Burres N.E. et al., J. Antibiot. 1995, 48, 380.