Conglobatin

**Specifications**

- **CAS #**: 72263-05-9
- **Molecular Formula**: C_{28}H_{38}N_{2}O_{6}
- **Molecular Weight**: 498.6
- **Source**: *Streptomyces conglobatus*
- **Appearance**: White solid
- **Purity**: >98% 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 an 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**