



Conglobatin PRODUCT DATA SHEET

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Product Name:	Conglobatin
Product Number:	C125
CAS Number:	72263-05-9
Molecular Formula:	$C_{28}H_{38}N_2O_6$
Molecular Weight:	498.62
Form:	Powder
Source:	<i>Streptomyces conglobatus</i>
Storage Conditions:	2-8°C
Description:	Conglobatin is a unique dimeric macrolide antibiotic derived from ionomycin, an ionophore produced by <i>Streptomyces conglobatus</i> . Conglobatin is soluble in ethanol, methanol, and DMSO.
Mechanism of Action:	Macrolide antibiotics inhibit bacterial growth by targeting the 50S ribosomal subunit preventing peptide bond formation and translocation during protein synthesis.
References:	Westley, John W., and Ralph H. Evans. "The Journal of Antibiotics." Conglobatin, A Novel Macrolide Dilactone from <i>Streptomyces Conglobatus</i> ATCC 31005 32.0 (1979): 874-77. Ncbi.gov. Web. 25 Feb. 2013.

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