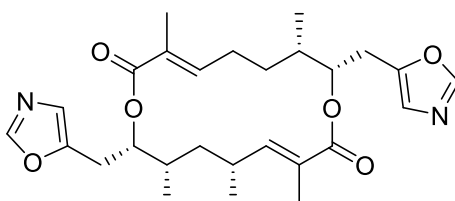


Conglobatin B

Code No.: **BIA-C1980**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms :

Specifications

CAS #	:	NA
Molecular Formula	:	C₂₇H₃₆N₂O₆
Molecular Weight	:	484.6
Source	:	<i>Streptomyces conglobatus</i>
Appearance	:	White solid
Purity	:	>95% by HPLC
Long Term Storage	:	-20°C
Solubility	:	Soluble in methanol or DMSO

Application Notes

Conglobatin B was isolated from a previously unreported *Streptomyces* strain, phylogenetically distinct from the reported conglobatin A producer, *Streptomyces conglobatus*. Conglobatins B and C diverge from conglobatin through differing patterns of methylation on the macrodiolide skeleton, suggesting a deviation from the published biosynthetic pathway, which proposed three successive methylmalonyl-CoA extender unit additions to the conglobatin monomer. Conglobatins B and C exhibited more potent cytotoxic activity selectively against the NS-1 myeloma cell line compared with conglobatin.

References

1. Conglobatins B-E: cytotoxic analogues of the C2-symmetric macrodiolide conglobatin. Lacey H.J. et al. *J Antibiot* 2020, 73, 756.