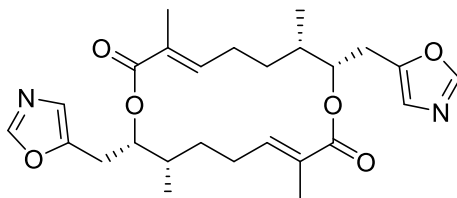


## Conglobatin C

Code No.: **BIA-C2682**

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



Synonyms :

### Specifications

CAS #	: NA
Molecular Formula	: <b>C<sub>26</sub>H<sub>34</sub>N<sub>2</sub>O<sub>6</sub></b>
Molecular Weight	: <b>470.6</b>
Source	: <b><i>Streptomyces conglobatus</i></b>
Appearance	: <b>Colourless residue</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in methanol or DMSO</b>

### Application Notes

Conglobatin C 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.