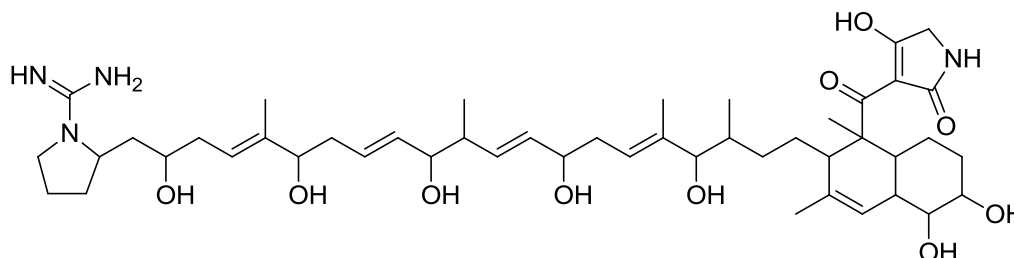


Lydicamycin

Code No.: **BIA-L1047**

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



Synonyms :

Specifications

CAS #	: 133352-27-9
Molecular Formula	: C ₄₇ H ₇₄ N ₄ O ₁₀
Molecular Weight	: 855.1
Source	: <i>Streptomyces</i> sp.
Appearance	: Colourless film
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Lydicamycin belongs to a novel structural class with highly selective antibiotic activity. Recent research has shown that lydicamycin and the related metabolites, TPU-0037A and TPU-0037C, are highly active against MRSA. Lydicamycin is also closely related to BN 4515N which was isolated from a strain of *Microtetraspora* as a neurotogenic agent.

References

1. TPU-0037-A, B, C and D, novel lydicamycin congeners with anti-MRSA activity from *Streptomyces platensis* TP-A0598. Furumai T. et al., J. Antibiot. 2002, 55, 873.
2. A new neurotogenic compound BU-4514N produced by *Microtetraspora* sp. Toda S. et al., J Antibiot. 1993, 46, 875.
3. Lydicamycin, a new antibiotic of a novel skeletal type. I. Taxonomy, fermentation, isolation and biological activity. Hayakawa Y. et al., J Antibiot. 1991, 44, 282.
4. Lydicamycin, a new antibiotic of a novel skeletal type. II. Physico-chemical properties and structure elucidation. Hayakawa Y. et al., J Antibiot. 1991, 44, 288.