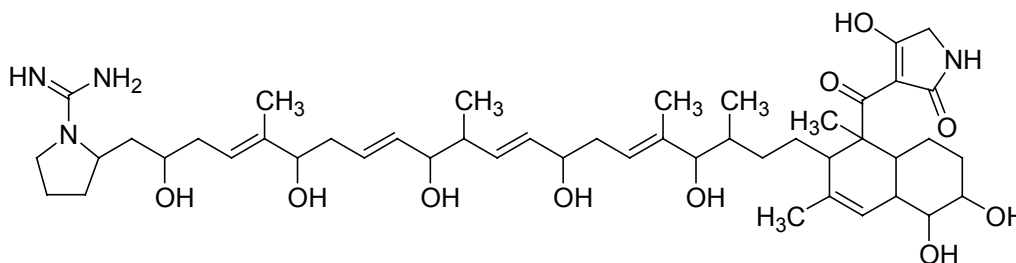


Lydicamycin

Code: **BIA-L1047**

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



Synonyms :

Specifications

CAS #	: 133352-27-9
Molecular Formula	: C₄₇H₇₄N₄O₁₀
Molecular Weight	: 855.1
Source	: <i>Streptomyces</i> sp. MST-AS5376
Appearance	: Colourless film
Purity	: > 95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

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