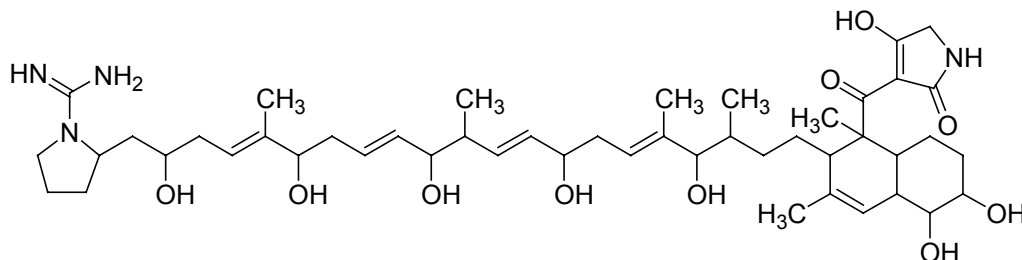


## Lydicamycin

Code: **BIA-L1047**

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



Synonyms :

### Specifications

CAS #	: <b>133352-27-9</b>
Molecular Formula	: <b>C<sub>47</sub>H<sub>74</sub>N<sub>4</sub>O<sub>10</sub></b>
Molecular Weight	: <b>855.1</b>
Source	: <b><i>Streptomyces</i> sp. MST-AS5376</b>
Appearance	: <b>Colourless film</b>
Purity	: <b>&gt; 95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

### 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.