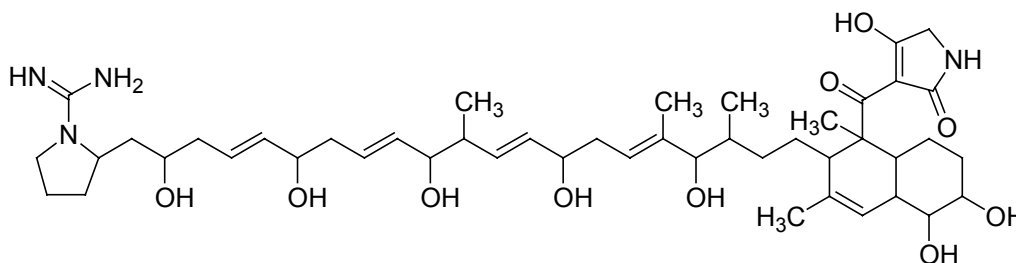


Antibiotic TPU-0037-A

Code: **BIA-L1048**

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



Synonyms : **30-Demethyllydicamycin, TPU-0037 A**

Specifications

CAS # : **485815-59-6**
Molecular Formula : **C₄₆H₇₂N₄O₁₀**
Molecular Weight : **841.0**
Source : ***Streptomyces* 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

TPU-0037A, a close structural analogue of lydicamycin, has been shown to be highly active against MRSA. TPU-0037A is also closely related to Antibiotic BN 4515N 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. II. Physico-chemical properties and structure elucidation. Hayakawa Y. et al. *J. Antibiot.* **1991**, 44, 288.
4. 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.