

**Product Name:** Lydicamycin

**Product Number:** L042

**CAS Number:** 133352-27-9

**Molecular Formula:**  $C_{47}H_{74}N_4O_{10}$

**Molecular Weight:** 855.1

**Appearance:** Colourless film

**Storage Conditions:** -20°C

**Description:** 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 neuritogenic agent.

Lydicamycin is soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

**References:** 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.

A new neuritogenic compound BU-4514N produced by *Microtetraspora* sp.. Toda S. et al. J Antibiot. 1993, 46, 875.

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.

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.