

Product Data Sheet

Product Name: TPU-0037C

Cat. No.: GC45069

Chemical Properties

Cas. No. 485815-61-0

SMILES OC(C/C=C/C(O)C/C=C/C(O)C(C)/C=C/C(O)C/C=C(C)/C(O)C(CCC1C(C)=CC(C(O)CC2)C2C1(C)C(C3=C(O)CNC3=O)=O)C)CC4N(C(N)=N)CCC4

Formula C₄₆H₇₂N₄O₉

M.Wt 825.1

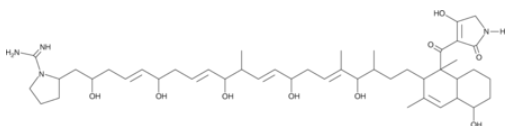
Solubility DMF: Soluble, DMSO: Soluble, Ethanol: Soluble, Methanol: Soluble

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

TPU-0037C is a metabolite of the marine actinomycete *S. platensis* that is structurally similar to lydicamycin. It is active against Gram-positive bacteria (MICs = 0.39-3.13 µg/ml), including methicillin-resistant *S. aureus* strains (MIC = 3.13 µg/ml), but is ineffective against Gram-negative bacteria (MICs = >50 µg/ml).

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA