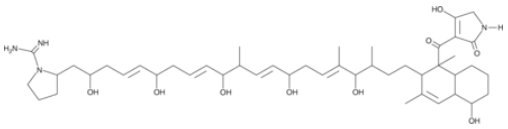
# Product Data Sheet

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)CCC2)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.***
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