

Product Data Sheet

Product Name: Bisphosphocin Nu-3

Cat. No.: GB62294

Chemical Properties

Cas. No. 403717-06-6

SMILES CCCCOP(=O)(O)OC[C@H]1O[C@H](C[C@@H]1OP(=O)(O)OCCCC)N2C=C(C)C(=O)NC2=O

Formula C₁₈H₃₂N₂O₁₁P₂

M.Wt 514.4045

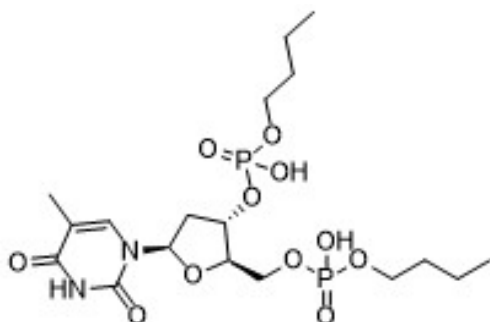
Solubility To be determined

Storage Store at -20°C

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

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

Structure



Background

NU-3, also known as Bisphosphocin NU-3, is a protonated modified nucleotide with antimicrobial activity. Nu-3 had a wide antibacterial spectrum to Gram-positive, Gram-negative and some resistant bacteria. The MIC values of Nu-3 against all tested MRSA and MSSA were roughly in a same range while MICs of Oxacillin and Vancomycin varied between the bacteria tested. In the mouse model of skin wound infection study, the treatment with 5% Nu-3 glycerine solution also showed comparable therapeutic effects to Ciprofloxacin Hydrochloride Ointment. Nu-3 represents a new class of antibacterial agents for treating topical infections and acts via a different mechanism from conventional antibiotics.

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