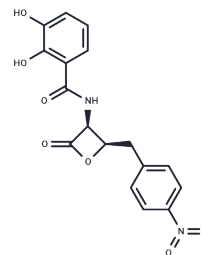


Obafluorin

Chemical Properties

CAS No. :	92121-68-1
Formula:	C ₁₇ H ₁₄ N ₂ O ₇
Molecular Weight:	358.306
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Obafluorin is a β -lactone antibiotic that has been found in <i>P. fluorescens</i> . ¹ It is active against <i>S. aureus</i> , <i>S. faecalis</i> , <i>K. pneumoniae</i> , and <i>P. vulgaris</i> (MIC = 125 μ g/ml for all).
-------------	--

Solubility Information

Solubility	Acetonitrile: >1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7909 mL	13.9544 mL	27.9088 mL
5 mM	0.5582 mL	2.7909 mL	5.5818 mL
10 mM	0.2791 mL	1.3954 mL	2.7909 mL
50 mM	0.0558 mL	0.2791 mL	0.5582 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Pu, Y., Lowe, C., Sailer, M., et al. Synthesis, stability, and antimicrobial activity of (+)-obafluorin and related β -lactone antibiotics. *J. Org. Chem.* 59(13), 3642-3655 (1994).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481