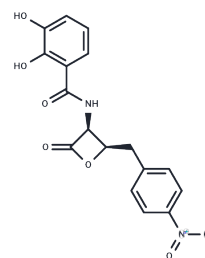


Obafluorin

Chemical Properties

CAS No. :	92121-68-1
Formula:	C17H14N2O7
Molecular Weight:	358.3
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Obafluorin is a β -lactone antibiotic produced by <i>Pseudomonas fluorescens</i> ATCC 39502, with broad-spectrum antibacterial activity, inhibiting tRNA transglycosylase, used in metabolic disease research.
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	Acetonitrile: 1 mg/mL (2.79 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.791 mL	13.9548 mL	27.9096 mL
5 mM	0.5582 mL	2.791 mL	5.5819 mL
10 mM	0.2791 mL	1.3955 mL	2.791 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Scott TA, Batey SFD, Wiencek P, Chandra G, Alt S, Francklyn CS, Wilkinson B. Immunity-Guided Identification of Threonyl-tRNA Synthetase as the Molecular Target of Obafluorin, a β -Lactone Antibiotic. *ACS Chem Biol.* 2019 Dec 20;14(12):2663-2671.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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