

Product Data Sheet

Product Name: Obafluorin

Cat. No.: GC45617

Chemical Properties

Cas. No. 92121-68-1

SMILES O=C(C1=C(O)C(O)=CC=C1)N[C@H]2[C@@H](CC3=CC=C([N+](O-)=O)C=C3)OC2=O

Formula C₁₇H₁₄N₂O₇

M.Wt 358.3

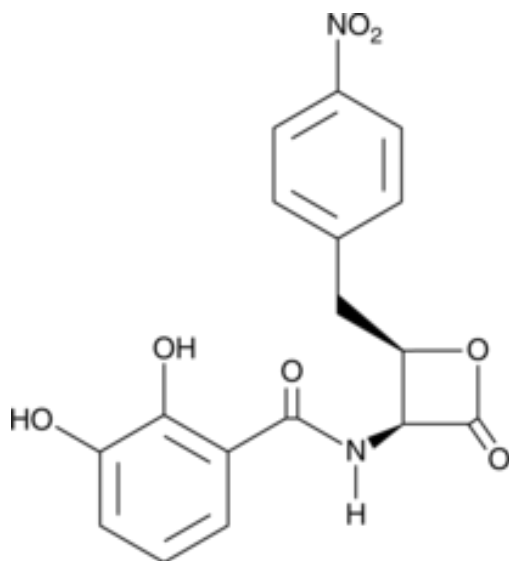
Solubility Acetonitrile: >1mg/ml

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

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

[1. 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).

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

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