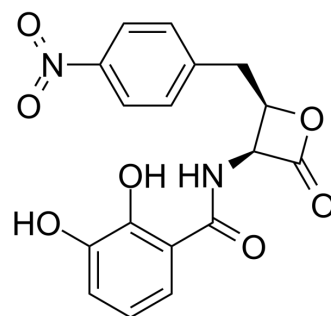


Obafluorin

Cat. No.:	HY-138075
CAS No.:	92121-68-1
Molecular Formula:	C ₁₇ H ₁₄ N ₂ O ₇
Molecular Weight:	358.3
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Obafluorin is a β -Lactone Antibiotic, that can be produced by *Pseudomonas fluorescens* ATCC 39502. Obafluorin exhibits antibacterial activity against a range of Gram-positive and Gram-negative bacteria. Obafluorin fully inhibits *E. coli* threonyl-tRNA synthetase^[1].

REFERENCES

[1]. Scott TA, et al. 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.

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

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