

Product Data Sheet

Product Name: Orfamide B

Cat. No.: GC44514

Chemical Properties

Cas. No. 939960-35-7

SMILES CC(C)C[C@@H]1NC([C@@H](CO)NC([C@@](CC(C)C)([H])NC([C@@H](C(C)C)NC([C@H](NC([C@H](NC([C@@H](NC(CC(O)CCCCCCCCCCC)=O)CC(C)C)=O)CCC(O)=O)=O)[C@@H](C)OC([C@H](C(C)C)NC([C@](CO)([H])NC([C@H](CC(C)C)NC1=O)=O)=O)=O)=O)=O)=O

Formula C63H112N10O17

M.Wt 1281.6

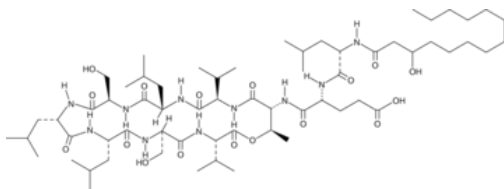
Solubility DMF: soluble, DMSO: soluble, Ethanol: soluble, Methanol: soluble

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

Orfamide B is a cyclic lipopeptide originally isolated from *P. fluorescens*. It is the main orfamide produced by *Pseudomonas* sp. CMR12a. Orfamide B inhibits mycelial growth and increases hyphal branching in the fungi *R. solani* AG2-1 at concentrations of 10 and 100 µM and in *R. solani* AG 4-HGI at a concentration of 100 µM.

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

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