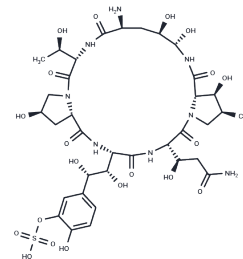


FR179642

## Chemical Properties

CAS No. : 168110-44-9  
 Formula: C<sub>35</sub>H<sub>52</sub>N<sub>8</sub>O<sub>20</sub>S  
 Molecular Weight: 936.9  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	FR179642 is an essential intermediate compound utilized in the synthesis of Micafungin, an antifungal drug belonging to the echinocandin class. It serves as the cyclic peptide foundation for the structurally similar antifungal lipopeptide FR901379.
Targets(IC50)	Others,Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0673 mL	5.3367 mL	10.6735 mL
5 mM	0.2135 mL	1.0673 mL	2.1347 mL
10 mM	0.1067 mL	0.5337 mL	1.0673 mL
50 mM	0.0213 mL	0.1067 mL	0.2135 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

- Satoshi Ueda, et al. Cloning and expression of the FR901379 acylase gene from Streptomyces sp. no. 6907. J Antibiot (Tokyo)
- M Tomishima, et al. FK463, a novel water-soluble echinocandin lipopeptide: synthesis and antifungal activity. J Antibiot (Tokyo)

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