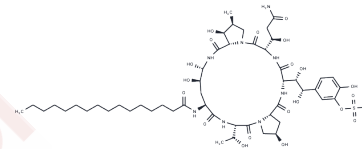


FR901379

## Chemical Properties

CAS No. : 144371-88-0  
 Formula: C<sub>51</sub>H<sub>82</sub>N<sub>8</sub>O<sub>21</sub>S  
 Molecular Weight: 1175.31  
 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	FR901379 is an echinocandin-like antifungal lipopeptide. <sup>1</sup> It is active against <i>C. albicans</i> , <i>C. krusei</i> , <i>C. tropicalis</i> , <i>C. utilis</i> , <i>A. fumigatus</i> , and <i>A. niger</i> fungi (IC <sub>50</sub> s = <0.003-1.9 µg/ml). FR901379 is protective against <i>C. albicans</i> infection in mice (ED <sub>50</sub> = 1.1 mg/kg). It also reduces the number of pulmonary cysts and trophozoites in a mouse model of <i>P. carinii</i> infection.
Targets(IC <sub>50</sub> )	Others,Antibiotic

## Solubility Information

Solubility	Methanol: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8508 mL	4.2542 mL	8.5084 mL
5 mM	0.1702 mL	0.8508 mL	1.7017 mL
10 mM	0.0851 mL	0.4254 mL	0.8508 mL
50 mM	0.017 mL	0.0851 mL	0.1702 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

Fujie, A., Iwamoto, T., Sato, B., et al. FR131535, a novel water-soluble echinocandin-like lipopeptide: Synthesis and biological properties. *Bioorg. Med. Chem. Lett.* 11(3), 399-402 (2001).

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