

FR179642 (hydrate)

Chemical Properties

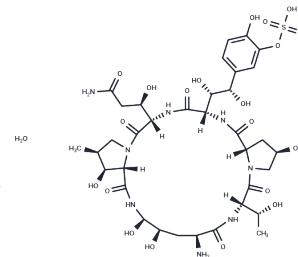
CAS No. : 1392483-15-6

Formula: C₃₅H₅₄N₈O₂₁S

Molecular Weight: 954.91

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 the cyclic peptide nucleus of the lipopeptide antifungal FR901379 and an intermediate in the synthesis of the echinocandin antifungal FK463 .1,2
Targets(IC50)	Others

Solubility Information

Solubility	Methanol: Slightly soluble, Heating is recommended. DMSO: Slightly soluble, Heating is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0472 mL	5.2361 mL	10.4722 mL
5 mM	0.2094 mL	1.0472 mL	2.0944 mL
10 mM	0.1047 mL	0.5236 mL	1.0472 mL
50 mM	0.0209 mL	0.1047 mL	0.2094 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

Tomishima, M., Ohki, H., Yamada, A., et al. FK463, a novel water-soluble echinocandin lipopeptide: Synthesis and antifungal activity. *Antibiot. (Tokyo)*52(7)674-676(1999)

Ueda, S., Shibata, T., Ito, K., et al. Cloning and expression of the FR901379 acylase gene from *Streptomyces* sp. no. 6907J. *Antibiot. (Tokyo)*64(2)169-175(2011)

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