

Product Data Sheet

Product Name: FR901379

Cat. No.: GC46149

Chemical Properties

Cas. No. 144371-88-0

SMILES O=C(N[C@]([C@H](O)CC(N=O)([H])C(N1[C@@](C(N[C@H](O)[C@H](O)C[C@@H]2NC(CCCCCCCCCCCCCC)=O)=O)([H])[C@@H](O)[C@@H](C)C1)=O)[C@@]([C@H](O)[C@@H](O)C3=CC=C(O)C(OS(O)(=O)=O)=C3)([H])NC([C@@]4([H])N(C([C@@]([C@H](O)C)([H])NC2=O)=O)C[C@H](O)C4)=O

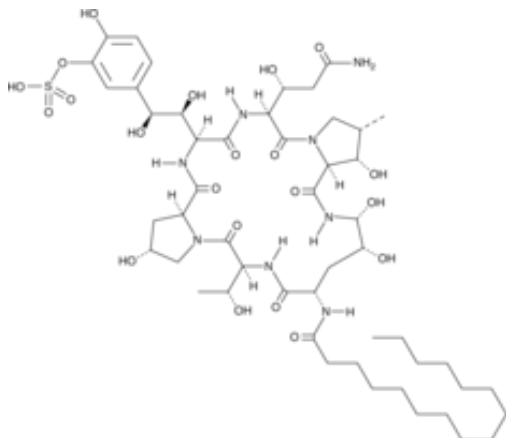
Formula C₅₁H₈₂N₈O₂₁S M.Wt 1175.3

Solubility Methanol: slightly 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

FR901379 is an echinocandin-like antifungal lipopeptide.¹ It is active against *C. albicans*, *C. krusei*, *C. tropicalis*, *C. utilis*, *A. fumigatus*, and *A. niger* fungi (IC₅₀s = <0.003-1.9 µg/ml). FR901379 is protective against *C. albicans* infection in mice (ED₅₀ = 1.1 mg/kg). It also reduces the number of pulmonary cysts and trophozoites in a mouse model of *P. carinii* infection.

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

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|1. 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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