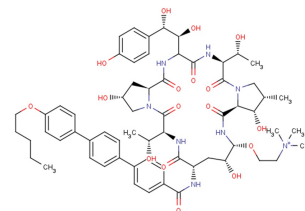


Rezafungin

Chemical Properties

CAS No.:	1396640-59-7
Formula:	C ₆₃ H ₈₅ N ₈ O ₁₇
Molecular Weight:	1226.39
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Rezafungin is a next-generation, broad-spectrum, and long-lasting echinocandin. Rezafungin shows potent antifungal activity against <i>Candida</i> spp, <i>Aspergillus</i> spp, and <i>Pneumocystis</i> spp.
Targets(IC ₅₀)	Others: None
In vivo	In an in vivo mouse infection model, Rezafungin shows potent in vivo efficacy as prophylaxis against <i>Pneumocystis</i> [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.815 mL	4.077 mL	8.154 mL
5 mM	0.163 mL	0.815 mL	1.631 mL
10 mM	0.082 mL	0.408 mL	0.815 mL
50 mM	0.016 mL	0.082 mL	0.163 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Melanie Cushion, et al. Rezafungin Prophylactic Efficacy in a Mouse Model of *Pneumocystis* Pneumonia. VOLUME 25, ISSUE 3, SUPPLEMENT, S366, MARCH 01, 2019.
- Sofjan AK, et al. Rezafungin (CD101), a next-generation echinocandin: A systematic literature review and assessment of possible place in therapy. *J Glob Antimicrob Resist*. 2018 Sep;14:58-64.

Inhibitors · Natural Compounds · Compound Libraries

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