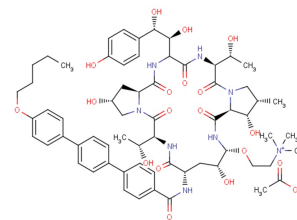


Rezafungin acetate

Chemical Properties

CAS No.:	1631754-41-0
Formula:	C ₆₅ H ₈₈ N ₈ O ₁₉
Molecular Weight:	1285.44
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Rezafungin acetate is a next-generation, broad-spectrum, and long-lasting echinocandin. Rezafungin acetate 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 acetate 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	0.778 mL	3.89 mL	7.779 mL
5 mM	0.156 mL	0.778 mL	1.556 mL
10 mM	0.078 mL	0.389 mL	0.778 mL
50 mM	0.016 mL	0.078 mL	0.156 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

1. Melanie Cushion, et al. Rezafungin Prophylactic Efficacy in a Mouse Model of *Pneumocystis* Pneumonia. VOLUME 25, ISSUE 3, SUPPLEMENT, S366, MARCH 01, 2019.
2. 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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