

Product Data Sheet

Product Name: Rezafungin acetate

Cat. No.: GC60321

Chemical Properties

Cas. No. 1631754-41-0

SMILES O=C1N2[C@]([C@@H](O)[C@@H](C)C2)([H])C(N[C@]([C@@H](C[C@@H](C(N[C@]([C@H](O)C)([H])C(N3[C@](C[C@@H](O)C3)([H])C(N[C@]([C@H](O)[C@H](C4=CC=C(O)C=C4)O)([H])C(N[C@@]1([H])[C@H](O)C)=O)=O)=O)NC(C5=CC=C(C6=CC=C(C7=CC=C(OCCCCC)C=C7)C=C6)C=C5)=O)O)([H])OCC[N+](C)(C)C=O.[O-]C(C)=O

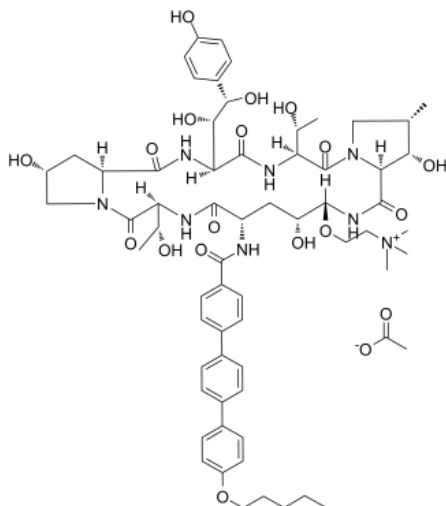
Formula $C_{65}H_{88}N_8O_{19}$ M.Wt 1285.44

Solubility DMSO : 230 mg/mL (178.93 mM; Storage
Need ultrasonic)

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

Rezafungin acetate (Biafungin acetate) is a next-generation, broad-spectrum, and long-lasting echinocandin. Rezafungin acetate shows potent antifungal activity against *Candida* spp., *Aspergillus*

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

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spp., and *Pneumocystis* spp.[1][2].

Rezafungin acetate (Biafungin acetate) (1 mg/kg; i.p. once daily for 6 days) shows potent in vivo efficacy as prophylaxis against *Pneumocystis* in an in vivo mouse infection model[1]. Animal Model: C3H/HeN mice[1]

[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.

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