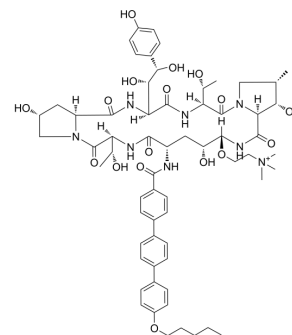


Rezafungin

Cat. No.:	HY-108009
CAS No.:	1396640-59-7
Molecular Formula:	C ₆₃ H ₈₅ N ₈ O ₁₇
Molecular Weight:	1226.39
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Rezafungin (Biafungin) 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. ^{[1][2]} .								
In Vivo	<p>Rezafungin (Biafungin) shows potent in vivo efficacy as prophylaxis against <i>Pneumocystis</i> in a mouse infection model^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>C3H/HeN mice^[1]</td> </tr> <tr> <td>Dosage:</td> <td>1 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Intraperitoneal injection; once daily for 6 days</td> </tr> <tr> <td>Result:</td> <td>Significantly reduced nuclei and asci burdens.</td> </tr> </table>	Animal Model:	C3H/HeN mice ^[1]	Dosage:	1 mg/kg	Administration:	Intraperitoneal injection; once daily for 6 days	Result:	Significantly reduced nuclei and asci burdens.
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REFERENCES

[1]. 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.

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

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

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