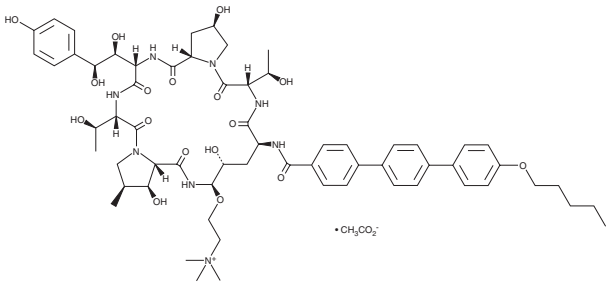
PRODUCT INFORMATION

Rezafungin (acetate)

Item No. 46263

CAS Registry No.:	1631754-41-0
Formal Name:	1-[(4R,5R)-4-hydroxy-N-[[4′′-(pentyloxy)[1,1′:4′,1′′-terphenyl]-4-yl]carbonyl]-5-[2-(trimethylammonio)ethoxy]-L-ornithine]-4-[(4S)-4-hydroxy-4-(4-hydroxyphenyl)-L-allothreonine]-echinocandin B, acetate
Synonym:	CD101
MF:	$C_{63}H_{85}N_8O_{17} \bullet C_2H_3O_2$
FW:	1,226.4
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Rezafungin (acetate) is supplied as a solid. A stock solution may be made by dissolving the rezafungin (acetate) in the solvent of choice, which should be purged with an inert gas. Rezafungin (acetate) is slightly soluble (0.1-1 mg/ml) in DMSO.

Description

Rezafungin is an echinocandin antifungal and a derivative of anidulafungin (Item No. 20753).[1,2] It is active against seven *Candida* species (MICs = ≤0.015-0.5 µg/ml) and inhibits the hyphal growth of seven *Aspergillus* species with minimum effective concentration (MEC) values of ≤0.015-0.3 µg/ml.[1] Rezafungin (0.5-4.5 mg/kg) reduces kidney fungal burden in a mouse model of candidiasis. Formulations containing rezafungin have been used in the treatment of invasive candidiasis and candidemia.

References

1. Garcia-Effron, G. Rezafungin-Mechanisms of action, susceptibility and resistance: Similarities and differences with the other echinocandins. *J. Fungi (Basel)* **6(4)**, 262 (2020).
2. James, K.D., Laudeman, C.P., Malkar, N.B., *et al*. Structure-Activity relationships of a series of echinocandins and the discovery of CD101, a highly stable and soluble echinocandin with distinctive pharmacokinetic properties. *Antimicrob Agents Chemother*. **61(2)**, e01541-e01616 (2017).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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