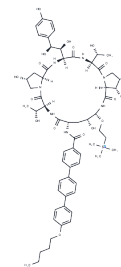


## Rezafungin

## Chemical Properties

CAS No. :	1396640-59-7
Formula:	C <sub>63</sub> H <sub>85</sub> N <sub>8</sub> O <sub>17</sub>
Molecular Weight:	1226.39
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Rezafungin (SP-3025) is a broad-spectrum and long-lasting echinocandin with potent antifungal activity against <i>Candida</i> , <i>Aspergillus</i> and <i>Pneumocystis</i> .
Targets(IC50)	Antifungal
In vivo	Intraperitoneal injection of 1 mg/kg of Rezafungin once daily for 6 days in mice showed effective in vivo prevention of <i>Pneumocystis</i> spp., significantly reducing nuclear and asci burden in a C3H/HeN mouse infection model[1].

## Solubility Information

Solubility	DMSO: 65 mg/mL (53 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8154 mL	4.077 mL	8.154 mL
5 mM	0.1631 mL	0.8154 mL	1.6308 mL
10 mM	0.0815 mL	0.4077 mL	0.8154 mL
50 mM	0.0163 mL	0.0815 mL	0.1631 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Miesel L, et al. Efficacy of Rezafungin in Prophylactic Mouse Models of Invasive Candidiasis, Aspergillosis, and Pneumocystis Pneumonia. *Antimicrob Agents Chemother.* 2021 Feb 17;65(3):e01992-20.

Zhao L, Sun X, Hou C, et al. CPNE7 promotes colorectal tumorigenesis by interacting with NONO to initiate ZFP42 transcription. *Cell Death & Disease.* 2024, 15(12): 896.

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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