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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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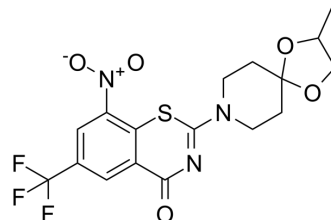
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BTZ043 Racemate

Cat. No.:	HY-13579A		
CAS No.:	957217-65-1		
Molecular Formula:	C ₁₇ H ₁₆ F ₃ N ₃ O ₅ S		
Molecular Weight:	431.39		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (57.95 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.3181 mL	11.5904 mL	23.1809 mL
		5 mM		0.4636 mL	2.3181 mL	4.6362 mL
		10 mM		0.2318 mL	1.1590 mL	2.3181 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (5.80 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.38 mg/mL (3.20 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	BTZ043 Racemate (BTZ10526038) is the racemate of BTZ043. BTZ043 is an inhibitor of decaprenyl-phosphoribose-epimerase (DprE1), and the antimicrobial activity of BTZ043 is more potent than BTZ043 Racemate ^[1] .
IC ₅₀ & Target	DprE1 ^[1] .

REFERENCES

[1]. Gao C, et al. Synthesis and structure-activity relationships evaluation of benzothiazinone derivatives as potential anti-tubercular agents. Bioorg Med Chem Lett. 2013

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

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