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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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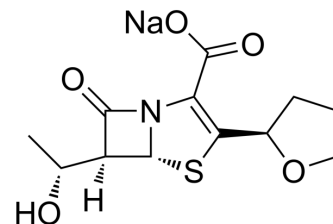
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Faropenem sodium

Cat. No.:	HY-76260
CAS No.:	122547-49-3
Molecular Formula:	C ₁₂ H ₁₄ NNaO ₅ S
Molecular Weight:	307.3
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (325.41 mM; Need ultrasonic) DMSO : 25 mg/mL (81.35 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	3.2541 mL	16.2707 mL	32.5415 mL
		5 mM	0.6508 mL	3.2541 mL	6.5083 mL
		10 mM	0.3254 mL	1.6271 mL	3.2541 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (325.41 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.14 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.14 mM); Clear solution				
	4. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.14 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Faropenem sodium is an orally bioavailable penem antibiotic which can efficiently kill Mycobacterium tuberculosis.
IC ₅₀ & Target	Bacterial ^[1]

CUSTOMER VALIDATION

- Int J Antimicrob Agents. 3 September 2022, 106669.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Dhar N, et al. Rapid cytolysis of Mycobacterium tuberculosis by faropenem, an orally bioavailable β -lactam antibiotic. Antimicrob Agents Chemother. 2015 Feb;59(2):1308-19.

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

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