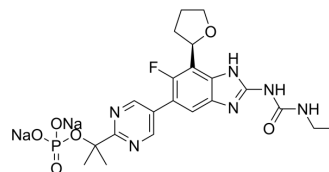


Fobrepodacin disodium

Cat. No.:	HY-135655
CAS No.:	1384984-20-6
Molecular Formula:	C ₂₁ H ₂₄ FN ₆ Na ₂ O ₆ P
Molecular Weight:	552.4
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°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

DMSO : 5 mg/mL (9.05 mM); ultrasonic and adjust pH to 3 with HCl)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.8103 mL	9.0514 mL	18.1028 mL	
5 mM	0.3621 mL	1.8103 mL	3.6206 mL	
10 mM	---	---	---	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Fobrepodacin (SPR720) disodium is an orally active and potent phosphate proagent of SPR719 (VXc-486; HY-12930). Fobrepodacin disodium has potent bactericidal activities in vivo^[1].

In Vivo

Fobrepodacin disodium (oral gavage; 10, 30, 100 mg/kg; once per day; 5 times per week for 4 weeks) reduces the mycobacterial burden in a model of chronic tuberculosis infection in mice^[1].
Fobrepodacin disodium (oral; 100 mg/kg; once per day; 5 days per week, for 8 weeks) improves the bactericidal activities of antimycobacterial drugs^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Six-week old female BALB/c and C57BL/6 mice uninfected or M. tuberculosis-infected (Erdman) ^[1]
Dosage:	10, 30, 100 mg/kg
Administration:	Oral gavage; once per day; 5 times per week for 4 weeks

Result:	Reduced the mycobacterial burden in a model of chronic tuberculosis infection in mice.
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REFERENCES

[1]. Locher CP, et al. A novel inhibitor of gyrase B is a potent drug candidate for treatment of tuberculosis and nontuberculosis mycobacterial infections. *Antimicrob Agents Chemother.* 2015 Mar;59(3):1455-65.

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

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