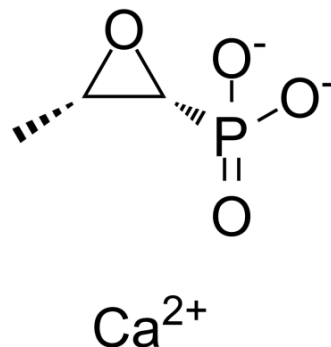


Fosfomicin calcium

Cat. No.:	HY-B1075		
CAS No.:	26016-98-8		
Molecular Formula:	C ₃ H ₅ CaO ₄ P		
Molecular Weight:	176.12		
Target:	Bacterial; Antibiotic		
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

H₂O : 2 mg/mL (11.36 mM; Need ultrasonic)
 DMSO : < 1 mg/mL (insoluble or slightly soluble)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.6779 mL	28.3897 mL	56.7795 mL
	5 mM	1.1356 mL	5.6779 mL	11.3559 mL
	10 mM	0.5678 mL	2.8390 mL	5.6779 mL

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

BIOLOGICAL ACTIVITY

Description

Fosfomicin calcium (MK-0955 calcium) is a blood-brain barrier penetrating, broad-spectrum antibiotic by irreversibly inhibiting an early stage in cell wall synthesis. Fosfomicin calcium (MK-0955 calcium) shows both in vivo and in vitro activity against a wide range of bacteria, including multidrug-resistant (MDR), extensively drug-resistant (XDR), and pan-drug-resistant (PDR) bacteria^[1].

CUSTOMER VALIDATION

- Front Cell Infect Microbiol. 2019 Jul 15;9:253.
- J Med Microbiol. 2019 Mar;68(3):493-502.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Dijkmans AC, et al. Fosfomycin: Pharmacological, Clinical and Future Perspectives. Antibiotics (Basel). 2017 Oct 31;6(4). pii: E24.

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

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