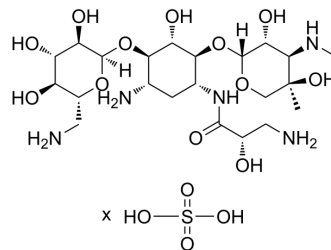


Isepamicin sulfate

Cat. No.:	HY-100589
CAS No.:	67814-76-0
Molecular Formula:	$C_{22}H_{43}N_5O_{12} \cdot xH_2SO_4$
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 125 mg/mL (Need ultrasonic)
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (Infinity mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description	Isepamicin sulfate (Sch 21420 sulfate) is a broad spectrum aminoglycoside antibiotic. Isepamicin sulfate exhibits considerable antimicrobial activity against Gram-negative non-fermenters in a region with high antimicrobial resistance ^{[1][2]} .
IC ₅₀ & Target	Aminoglycoside

REFERENCES

[1]. Samonis G, et al. Antimicrobial susceptibility of non-fermenting Gram-negative isolates to isepamicin in a region with high antibiotic resistance. Eur J Clin Microbiol Infect Dis. 2012 Nov;31(11):3191-8.

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

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