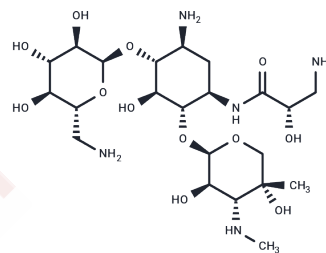


## Isepamicin

## Chemical Properties

CAS No. :	58152-03-7
Formula:	C22H43N5O12
Molecular Weight:	569.60
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Isepamicin (Sch 21420) is a potent aminoglycoside antibacterial compound with enhanced efficacy against strains harboring type I 6'-acetyltransferase. Its antibacterial spectrum encompasses Enterobacteriaceae and staphylococci, while exhibiting resistance against anaerobes, Neisseriaceae, and streptococci. Moreover, Isepamicin displays a robust concentration-dependent bactericidal effect, a prolonged post-antibiotic effect lasting several hours, and is capable of inducing adaptive resistance.
Targets(IC50)	Others,Antibacterial,Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7556 mL	8.7781 mL	17.5562 mL
5 mM	0.3511 mL	1.7556 mL	3.5112 mL
10 mM	0.1756 mL	0.8778 mL	1.7556 mL
50 mM	0.0351 mL	0.1756 mL	0.3511 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Tod M, et al. Clinical pharmacokinetics and pharmacodynamics of isepamicin. Clin Pharmacokinet. 2000;38(3): 205-223.

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