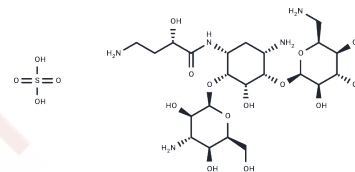


## Amikacin sulfate

## Chemical Properties

CAS No. : 149022-22-0  
Formula: C<sub>22</sub>H<sub>43</sub>N<sub>5</sub>O<sub>13.9</sub>/5H<sub>2</sub>O<sub>4</sub>S  
Molecular Weight: 762.03  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	Amikacin sulfate is a broad-spectrum antibiotic derived from KANAMYCIN. It is reno- and ototoxic like the other aminoglycoside antibiotics.
Targets(IC50)	ribosome,Antibacterial,Antibiotic

## Solubility Information

Solubility	H <sub>2</sub> O: 10 mM,Sonication is recommended. DMSO: Insoluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3123 mL	6.5614 mL	13.1228 mL
5 mM	0.2625 mL	1.3123 mL	2.6246 mL
10 mM	0.1312 mL	0.6561 mL	1.3123 mL
50 mM	0.0262 mL	0.1312 mL	0.2625 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.

## Reference

Tolmasky ME. Front Biosci. 2000 Jan 1;5:D20-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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