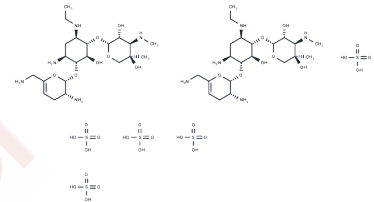


## Netilmicin sulfate

### Chemical Properties

CAS No. :	56391-57-2
Formula:	C <sub>21</sub> H <sub>41</sub> N <sub>5</sub> O <sub>7</sub> ·5/2H <sub>2</sub> SO <sub>4</sub>
Molecular Weight:	720.78
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	Netilmicin sulfate (Netromycin) is an aminoglycoside antibiotic.
Targets(IC50)	Antibacterial, Antibiotic
In vitro	Netilmicin Sulfate shows high activity against E. coli, Klebsiella, Enterobacter, Citrobacter, Proteus spp, and Aureus.

### Solubility Information

Solubility	H <sub>2</sub> O: 100 mg/mL (138.74 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	1.3874 mL	6.9369 mL	13.8739 mL
5 mM	0.2775 mL	1.3874 mL	2.7748 mL
10 mM	0.1387 mL	0.6937 mL	1.3874 mL
50 mM	0.0277 mL	0.1387 mL	0.2775 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

Chaudry IA, et al. Am J Hosp Pharm. 1981 Nov;38(11):1737-42.

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