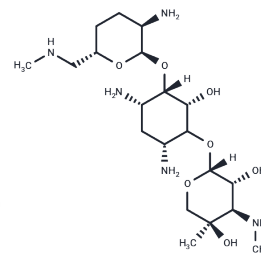


Micronomicin

Chemical Properties

CAS No. :	52093-21-7
Formula:	C ₂₀ H ₄₁ N ₅ O ₇
Molecular Weight:	463.57
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	Micronomicin (Gentamicin C2b) is an antibiotic with both antibacterial and bactericidal properties.
Targets(IC50)	Antibacterial,Antibiotic
In vitro	Micronomicin displays a broad antibacterial spectrum against Gram-negative and Gram-positive bacteria[1].

Solubility Information

Solubility	H ₂ O: 247.5 mg/mL (533.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1572 mL	10.7859 mL	21.5717 mL
5 mM	0.4314 mL	2.1572 mL	4.3143 mL
10 mM	0.2157 mL	1.0786 mL	2.1572 mL
50 mM	0.0431 mL	0.2157 mL	0.4314 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

Ohkoshi M, et al. Review [new antibiotics series III]: micronomicin (author's transl). Jpn J Antibiot. 1982 Mar;35(3): 691-703.

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