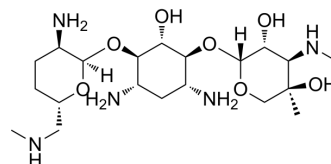


Micronomicin

Cat. No.:	HY-B1915
CAS No.:	52093-21-7
Molecular Formula:	C ₂₀ H ₄₁ N ₅ O ₇
Molecular Weight:	463.57
Target:	Bacterial
Pathway:	Anti-infection
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 250 mg/mL (539.29 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			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
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (107.86 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Micronomicin (Gentamicin C2b) is an aminoglycoside antibiotic, with antibacterial and bactericidal activities ^[1] .
IC ₅₀ & Target	bacteria ^[1]
In Vitro	Micronomicin shows a broad antibacterial spectrum against Gram positive and Gram negative bacteria ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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

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