

Neomycin (free base)

Chemical Properties

CAS No. :	1404-04-2
Formula:	C ₂₃ H ₄₆ N ₆ O ₁₃
Molecular Weight:	614.65
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Neomycin (free base) is an antibiotic complex produced by <i>Streptomyces fradiae</i> . It is composed of neomycins A, B, and C. It acts by inhibiting translation during protein synthesis.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6269 mL	8.1347 mL	16.2694 mL
5 mM	0.3254 mL	1.6269 mL	3.2539 mL
10 mM	0.1627 mL	0.8135 mL	1.6269 mL
50 mM	0.0325 mL	0.1627 mL	0.3254 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

Tan F, Li X, Li X, et al. GelMA/PEDOT: PSS Composite Conductive Hydrogel-Based Generation and Protection of Cochlear Hair Cells through Multiple Signaling Pathways. *Biomolecules*. 2024, 14(1): 95.

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