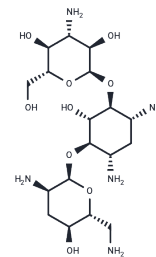


Tobramycin

Chemical Properties

CAS No. :	32986-56-4
Formula:	C ₁₈ H ₃₇ N ₅ O ₉
Molecular Weight:	467.51
Storage:	Keep away from direct sunlight 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	Tobramycin (NSC-180514) is an aminoglycoside, broad-spectrum antibiotic produced by <i>Streptomyces tenebrarius</i> .
Targets(IC50)	ribosome,Antibacterial,Antibiotic

Solubility Information

Solubility	H ₂ O: 250 mg/mL (534.75 mM),Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.139 mL	10.695 mL	21.3899 mL
5 mM	0.4278 mL	2.139 mL	4.278 mL
10 mM	0.2139 mL	1.0695 mL	2.139 mL
50 mM	0.0428 mL	0.2139 mL	0.4278 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

Yang G, et al. J Med Chem. 2006 Sep 7;49(18):5478-90.

Zhao Y, Chen Q, Liu Y, et al.A sensitive tobramycin electrochemical aptasensor based on multiple signal amplification cascades.Bioelectrochemistry.2024: 108797.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481