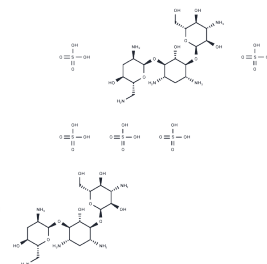


Tobramycin Sulfate

Chemical Properties

CAS No. :	49842-07-1
Formula:	C ₃₆ H ₈₄ N ₁₀ O ₃₈ S ₅
Molecular Weight:	1425.42
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Tobramycin Sulfate (Dartobcin) is an antibacterial nanomedicine, useful in pediatric bacterial pneumonia research.
Targets(IC50)	Antibacterial, Antibiotic

Solubility Information

Solubility	DMSO: < 0.1 mg/mL (insoluble or slightly soluble), H ₂ O: 200 mg/mL (140.31 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	0.7015 mL	3.5077 mL	7.0155 mL
5 mM	0.1403 mL	0.7015 mL	1.4031 mL
10 mM	0.0702 mL	0.3508 mL	0.7015 mL
50 mM	0.014 mL	0.0702 mL	0.1403 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

- Szentmáry N, et al. [Diagnostics and treatment of infectious keratitis]. *Orv Hetil.* 2017 Aug;158(31):1203-1212.
- Sun Y, Wu J, Shen B, et al. Discovery of TRPV4-Targeting Small Molecules with Anti-Influenza Effects Through Machine Learning and Experimental Validation. *International Journal of Molecular Sciences.* 2025, 26(3): 1381.
- Zainal Abidin N, Haq IJ, Gardner AI, Brodlie M. Ataluren in cystic fibrosis: development, clinical studies and where are we now? *Expert Opin Pharmacother.* 2017 Sep;18(13):1363-1371.
- Anagnostakos K, Meyer C. Antibiotic Elution from Hip and Knee Acrylic Bone Cement Spacers: A Systematic Review. *Biomed Res Int.* 2017;2017:4657874.
- Akram SM, Bhimji SS. *Mycobacterium Chelonae.* 2017 May 16. StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2017 Jun-. Available from <http://www.ncbi.nlm.nih.gov/books/NBK430806/> PubMed PMID: 28613557.

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