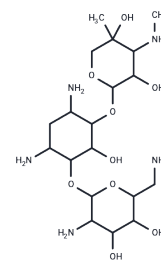


Antibiotic JI 20A

Chemical Properties

CAS No. :	51846-97-0
Formula:	C ₁₉ H ₃₉ N ₅ O ₉
Molecular Weight:	481.547
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	Antibiotic JI 20A is a bioactive chemical.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0766 mL	10.3831 mL	20.7663 mL
5 mM	0.4153 mL	2.0766 mL	4.1533 mL
10 mM	0.2077 mL	1.0383 mL	2.0766 mL
50 mM	0.0415 mL	0.2077 mL	0.4153 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

- Ni X, Sun Z, Gu Y, Cui H, Xia H. Assembly of a novel biosynthetic pathway for gentamicin B production in *Micromonospora echinospora*. *Microb Cell Fact*. 2016 Jan 5;15:1. doi: 10.1186/s12934-015-0402-6. PubMed PMID: 26729212; PubMed Central PMCID: PMC4700567.
- Guo J, Huang F, Huang C, Duan X, Jian X, Leeper F, Deng Z, Leadlay PF, Sun Y. Specificity and promiscuity at the branch point in gentamicin biosynthesis. *Chem Biol*. 2014 May 22;21(5):608-18. doi: 10.1016/j.chembiol.2014.03.005. Epub 2014 Apr 17. PubMed PMID: 24746560; PubMed Central PMCID: PMC4039129.
- Shao L, Chen J, Wang C, Li JA, Tang Y, Chen D, Liu W. Characterization of a key aminoglycoside phosphotransferase in gentamicin biosynthesis. *Bioorg Med Chem Lett*. 2013 Mar 1;23(5):1438-41. doi: 10.1016/j.bmcl.2012.12.064. Epub 2013 Jan 3. PubMed PMID: 23339967.
- Park JW, Hong JS, Parajuli N, Koh HS, Park SR, Lee MO, Lim SK, Yoon YJ. Analytical profiling of biosynthetic intermediates involved in the gentamicin pathway of *Micromonospora echinospora* by high-performance liquid chromatography using electrospray ionization mass spectrometric detection. *Anal Chem*. 2007 Jul 1;79(13):4860-9. Epub 2007 May 24. PubMed PMID: 17521166.

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