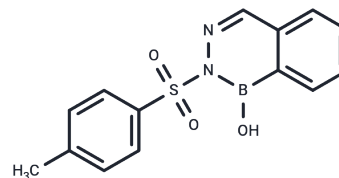


Diazaborine

Chemical Properties

CAS No. :	22959-81-5
Formula:	C ₁₄ H ₁₃ BN ₂ O ₃ S
Molecular Weight:	300.14
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Diazaborine inhibits maturation of rRNAs for the large ribosomal subunit. Diazaborine blocks ribosome biogenesis by inhibiting the AAA-ATPase Drg1. Diazaborine treatment causes, within minutes, a rapid redistribution of the protein from the nucleolus to the periphery of the nucleus, which provides a possible explanation for the effect of diazaborine on rRNA processing.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3318 mL	16.6589 mL	33.3178 mL
5 mM	0.6664 mL	3.3318 mL	6.6636 mL
10 mM	0.3332 mL	1.6659 mL	3.3318 mL
50 mM	0.0666 mL	0.3332 mL	0.6664 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.

Reference

Bandyopadhyay A, Cambray S, Gao J. Fast Diazaborine Formation of Semicarbazide Enables Facile Labeling of Bacterial Pathogens. J Am Chem Soc. 2017 Jan 18;139(2):871-878. doi: 10.1021/jacs.6b11115. PubMed PMID:

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