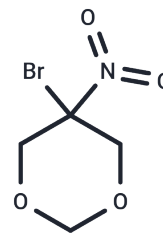


5-Bromo-5-nitro-1,3-dioxane

Chemical Properties

CAS No. :	30007-47-7
Formula:	C ₄ H ₆ BrNO ₄
Molecular Weight:	212.00
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	5-Bromo-5-nitro-1,3-dioxane (Bronidox) is an antimicrobial compound that inhibits bacterial enzyme activity.
Targets(IC50)	Antibacterial,Antifungal

Solubility Information

Solubility	DMSO: 60 mg/mL (283.02 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	4.717 mL	23.5849 mL	47.1698 mL
5 mM	0.9434 mL	4.717 mL	9.434 mL
10 mM	0.4717 mL	2.3585 mL	4.717 mL
50 mM	0.0943 mL	0.4717 mL	0.9434 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

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- Rastogi SC. Analytical control of preservative labelling on skin creams. Contact Dermatitis. 2000 Dec;43(6):339-43. PubMed PMID: 11140384.
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