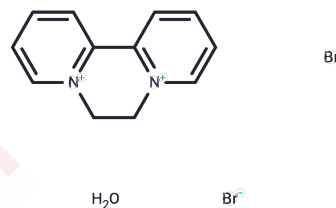


Diquat dibromide hydrate

Chemical Properties

CAS No. :	6385-62-2
Formula:	C ₁₂ H ₁₄ Br ₂ N ₂ O
Molecular Weight:	362.06
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	Diquat dibromide hydrate, a herbicide commonly used in the cultivation of cotton, soybeans, and other crops, is androgenotoxic and causes testicular damage in mice by inducing heme oxygenase-1-mediated iron death in spermatogonial cells.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 100 mg/mL (276.2 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	2.762 mL	13.8099 mL	27.6197 mL
5 mM	0.5524 mL	2.762 mL	5.5239 mL
10 mM	0.2762 mL	1.381 mL	2.762 mL
50 mM	0.0552 mL	0.2762 mL	0.5524 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

Liu SS, et, al. Combined photobacterium toxicity of herbicide mixtures containing one insecticide. Chemosphere. 2009 Apr;75(3):381-8.

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