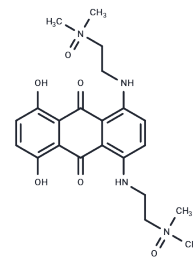


Banoxantrone

Chemical Properties

CAS No. :	136470-65-0
Formula:	C ₂₂ H ₂₈ N ₄ O ₆
Molecular Weight:	444.48
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	Banoxantrone (AQ4N), a hypoxia-selective cytotoxin prototype, undergoes reduction to AQ4, effectively inhibiting topoisomerase II. It selectively targets and eradicates hypoxic cells through an iNOS-dependent mechanism. This compound demonstrates significant cytotoxicity with its hypoxia-selective action being augmented by radiation.
Targets(IC50)	Others,NO Synthase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2498 mL	11.2491 mL	22.4982 mL
5 mM	0.450 mL	2.2498 mL	4.4996 mL
10 mM	0.225 mL	1.1249 mL	2.2498 mL
50 mM	0.045 mL	0.225 mL	0.450 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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