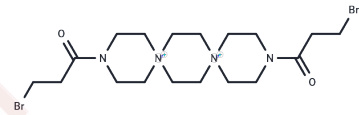


Dibrospidium Free Base

Chemical Properties

CAS No. : 86641-78-3
 Formula: C₁₈H₃₂Br₂N₄O₂
 Molecular Weight: 496.28
 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	Dibrospidium Free Base is a dispirotripiperazine derivative and alkylating agent with potential antineoplastic and anti-inflammatory activities. The duration of DNA synthesis inhibition in tumor cells was found to correlate with spirobromine antitumor activity. Spirobromin is superior to prospidin by the power of the anti-inflammatory effect. Spirobromin can diminish the latent period of the development of tumours in the experimental rats at intraperitoneal administration. At intragastric administration of the drug no decrease was noted in the latent period and no increase of tumours was observed in the experimental groups of the animals as compared with control. Dibrospidium has been examined for the treatment of bone cancer. The oral route of administration is the most safe with respect to the oncogenic risk. It was noted that spirobromin exerted the most pronounced toxic action on erythrocytes. Dibrospidium is used for the treatment of acute leukemias (mainly in combinatio.....
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.015 mL	10.075 mL	20.1499 mL
5 mM	0.403 mL	2.015 mL	4.030 mL
10 mM	0.2015 mL	1.0075 mL	2.015 mL
50 mM	0.0403 mL	0.2015 mL	0.403 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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