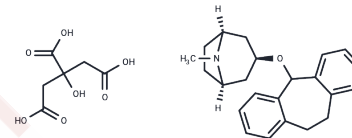


Deptropine citrate

Chemical Properties

CAS No. :	2169-75-7
Formula:	C ₂₉ H ₃₅ N ₀ O ₈
Molecular Weight:	525.59
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	Deptropine citrate is a well-known H ₁ -histamine receptor antagonist and muscarinic receptor antagonist. It is prescribed frequently for treatment of asthma. Recently deptropine has garnered interest as a potential treatment for breast cancer. In vitro studies have shown deptropine citrate has inhibitory effects on cell viability and mammosphere formation in Breast Cancer Stem Cells (BCSCs). However, it does not seem to inhibit the self-renewal capacity of the breast cancer cell line MDA-MB-231 when it is enriched with Cancer Stem Cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9026 mL	9.5131 mL	19.0262 mL
5 mM	0.3805 mL	1.9026 mL	3.8052 mL
10 mM	0.1903 mL	0.9513 mL	1.9026 mL
50 mM	0.0381 mL	0.1903 mL	0.3805 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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