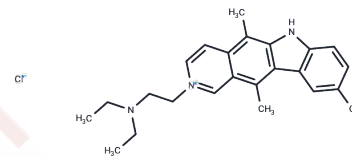


Datelliptium chloride

Chemical Properties

CAS No. :	105118-14-7
Formula:	C ₂₃ H ₂₈ ClN ₃ O
Molecular Weight:	397.94
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	Datelliptium chloride, a DNA-intercalating agent derived from ellipticine, exhibits anti-tumor activities.
Targets(IC50)	DNA/RNA Synthesis

Solubility Information

Solubility	H ₂ O: 41.67 mg/mL (104.71 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	2.5129 mL	12.5647 mL	25.1294 mL
5 mM	0.5026 mL	2.5129 mL	5.0259 mL
10 mM	0.2513 mL	1.2565 mL	2.5129 mL
50 mM	0.0503 mL	0.2513 mL	0.5026 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

- Mucci-Lorusso P , Polin L , Biernat L A , et al. Activity of datelliptium acetate (NSC 311152; SR 95156A) against solid tumors of mice[J]. Investigational New Drugs, 1990, 8(3):253-261.
- Khayat D , Borel C , Azab M , et al. Phase I study of Datelliptium chloride, hydrochloride given by 24-h continuous intravenous infusion[J]. Cancer Chemotherapy and Pharmacology, 1992, 30(3):226-228.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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