

Lobaplatin

Chemical Properties

CAS No. : 135558-11-1

Formula: C₉H₁₈N₂O₃Pt

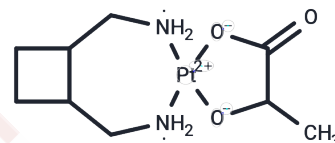
Molecular Weight: 397.33

Storage:

Keep away from direct sunlight, Store at low temperature

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	Lobaplatin (D-19466) (D-19466) is a diastereometric mixture of platinum(II) complexes. Lobaplatin (D-19466) is a third-generation platinum anti-neoplastic agent which shows activity for a variety of tumour types and is a promising antitumour chemotherapeutic agent[1][2]. It is a platinum complex with DNA alkylating activity.
Targets(IC50)	Apoptosis, Bcl-2 Family, Caspase, DNA Alkylation

Solubility Information

Solubility	H ₂ O: 49 mg/mL (123.32 mM), DMSO inactivates the activity of obaplatin. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5168 mL	12.584 mL	25.168 mL
5 mM	0.5034 mL	2.5168 mL	5.0336 mL
10 mM	0.2517 mL	1.2584 mL	2.5168 mL
50 mM	0.0503 mL	0.2517 mL	0.5034 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

Cao H, et al. Lobaplatin Inhibits Prostate Cancer Proliferation and Migration Through Regulation of BCL2 and BAX. Dose Response. 2019 Jun 5;17(2):1559325819850981.

McKeage MJ, et al. Lobaplatin: a new antitumour platinum drug. Expert Opin Investig Drugs. 2001 Jan;10(1):119-28.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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