Lobaplatin (D-19466)

Catalog No.C13745 Batch:C1374503

Product Datasheet

Technical Data

Formula	$C_9H_{18}N_2O_3Pt$		
Molecular Weight	397.33	**CAS No.**	135558-11-1
Solubility (25°C)*	In vitro	Water	7 mg/mL (17.61 mM)
		Ethanol	4 mg/mL (10.06 mM)

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Preparing Stock Solutions

Concentration \ Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.5168 mL	12.5840 mL	25.1680 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	-	-	-

Biological Activity

Description	Lobaplatin (D-19466) is a third-generation platinum anti-neoplastic agent. It is a platinum complex with DNA alkylating activity.**DMSO is not recommended to dissolve platinum-based drugs, which can easily lead to drug inactivation.**
In vivo	Lobaplatin has excellent anticancer activity in vivo against a number of murine experimental tumors, including a cisplatin-resistant P388 line. [1]
Features	This product is not recommended to be dissolved in dimethylsulfoxide (DMSO).[2] Lobaplatin should not be dissolved in sodium chloride solution, which induces its degradation.

References

https://pubmed.ncbi.nlm.nih.gov/2229133/

https://pubmed.ncbi.nlm.nih.gov/24812268/

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

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