

## Ellipticine

## Chemical Properties

CAS No. : 519-23-3

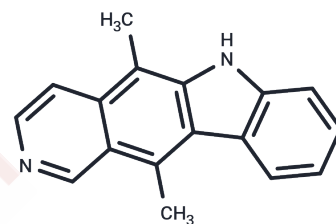
Formula: C<sub>17</sub>H<sub>14</sub>N<sub>2</sub>

Molecular Weight: 246.31

Keep away from moisture

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	Ellipticine (Elliptisine) is a potent antineoplastic agent exhibiting multiple mechanisms of action, IC <sub>50</sub> of 0.67±0.06, 1.25±0.13, 1.25±0.13, 0.67±0.06, 0.27±0.02, 0.49±0.04, 0.44±0.03, and 1.48±0.62 μM for Leukemia HL-60, Breast adenocarcinoma MCF-7, Breast adenocarcinoma MCF-7, Leukemia HL-60, Neuroblastoma IMR-32, Neuroblastoma UKF-NB-4, Neuroblastoma UKF-NB-3, and Glioblastoma U87 mg cell, respectively.
Targets(IC <sub>50</sub> )	Topoisomerase

## Solubility Information

Solubility	DMSO: 5 mg/mL (20.3 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	4.0599 mL	20.2996 mL	40.5992 mL
5 mM	0.812 mL	4.0599 mL	8.1198 mL
10 mM	0.406 mL	2.030 mL	4.0599 mL
50 mM	0.0812 mL	0.406 mL	0.812 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

Savorani C, et al. Leuk Lymphoma. 2015 Mar;56(3):739-47.

Oh J, Lee H H, Jeong Y, et al. Paradoxical Pro-angiogenic Effect of Low-Dose Ellipticine Identified by In Silico Drug Repurposing. International Journal of Molecular Sciences. 2021, 22(16): 9067.

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