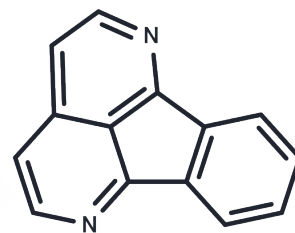


## Eupolauridine

## Chemical Properties

CAS No. :	58786-39-3
Formula:	C <sub>14</sub> H <sub>8</sub> N <sub>2</sub>
Molecular Weight:	204.23
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	Eupolauridine is a selective DNA topoisomerase II inhibitor, exhibiting an IC <sub>50</sub> of 20 μM against fungal topoisomerase I and 33 μM for human topoisomerase I. By inhibiting the catalytic activity of topoisomerase II, Eupolauridine stabilizes the enzyme's cleavage complex with DNA, resulting in DNA damage and imparting antifungal activity. [Eupolauridine] holds potential for the study of fungal infectious diseases.
Targets(IC <sub>50</sub> )	Topoisomerase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8964 mL	24.4822 mL	48.9644 mL
5 mM	0.9793 mL	4.8964 mL	9.7929 mL
10 mM	0.4896 mL	2.4482 mL	4.8964 mL
50 mM	0.0979 mL	0.4896 mL	0.9793 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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