

## Decynium 22

## Chemical Properties

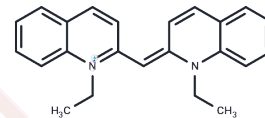
CAS No. : 977-96-8

Formula: C<sub>23</sub>H<sub>23</sub>IN<sub>2</sub>

Molecular Weight: 454.35

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	Decynium 22 is a plasma membrane monoamine transporter (PMAT) inhibitor
Targets(IC50)	Others,Dopamine Receptor,Monoamine Transporter,Serotonin Transporter

## Solubility Information

Solubility	DMSO: 55 mg/mL (121.05 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.4 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2009 mL	11.0047 mL	22.0095 mL
5 mM	0.4402 mL	2.2009 mL	4.4019 mL
10 mM	0.2201 mL	1.1005 mL	2.2009 mL
50 mM	0.044 mL	0.2201 mL	0.4402 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**

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