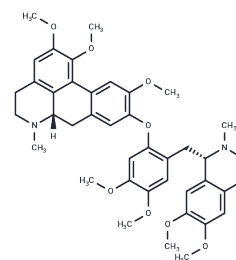


## Thalicarpine

## Chemical Properties

CAS No. :	5373-42-2
Formula:	C <sub>41</sub> H <sub>48</sub> N <sub>2</sub> O <sub>8</sub>
Molecular Weight:	696.83
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	Thalicarpine is a natural aporphine benzylisoquinoline vinca alkaloid with antineoplastic activity. Thalicarpine binds to and inhibits p-glycoprotein, the multidrug resistance efflux pump. Thalicarpine also induces single-strand breaks in DNA and arrests cancer cells at the G <sub>2</sub> /M and G <sub>1</sub> phase of the cell cycle. Check for active clinical trials or closed clinical trials using this agent.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4351 mL	7.1754 mL	14.3507 mL
5 mM	0.287 mL	1.4351 mL	2.8701 mL
10 mM	0.1435 mL	0.7175 mL	1.4351 mL
50 mM	0.0287 mL	0.1435 mL	0.287 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.

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