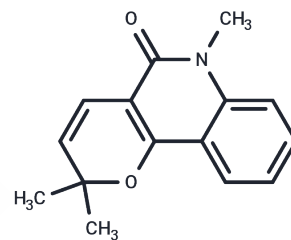


## N-Methylflindersine

## Chemical Properties

CAS No. :	50333-13-6
Formula:	C <sub>15</sub> H <sub>15</sub> NO <sub>2</sub>
Molecular Weight:	241.29
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	N-Methylflindersine (2,2,6-Trimethyl-2H,5H-pyrano[3,2-c]quinolin-5-one) shows strong toxicity towards brine shrimp larvae, with an LD(50) value of 1.39 microg/ml. It also exhibits potent inhibition against N -formylmethionylleucylphenylalanine-induced superoxide production with IC(50) values less than 12 microM.
Targets(IC50)	Others
In vitro	Among the isolates, N-methylflindersine , (-)-simulanol , and evofolin-C exhibited potent inhibition against N-formylmethionylleucylphenylalanine-induced superoxide production with IC(50) values less than 12 microM[2].

## Solubility Information

Solubility	DMSO: 60 mg/mL (248.66 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	4.1444 mL	20.722 mL	41.4439 mL
5 mM	0.8289 mL	4.1444 mL	8.2888 mL
10 mM	0.4144 mL	2.0722 mL	4.1444 mL
50 mM	0.0829 mL	0.4144 mL	0.8289 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

Alkaloids from the stem bark of *Micromelum falcatum*. *Chem Pharm Bull (Tokyo)*. 2009 Jun;57(6):600-2.  
New phenylpropenoids, bis(1-phenylethyl)phenols, bisquinolinone alkaloid, and anti-inflammatory constituents from *Zanthoxylum integrifoliolum*. *J Nat Prod*. 2007 Sep;70(9):1444-8.

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