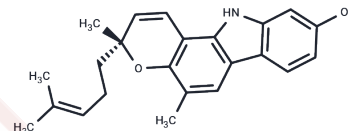


## Mahanine

## Chemical Properties

CAS No. :	28360-49-8
Formula:	C <sub>23</sub> H <sub>25</sub> NO <sub>2</sub>
Molecular Weight:	347.458
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	Mahanine has effects on the activation of the apoptotic pathway in human leukemia U937 cells, causes the mitochondrial membranes to lose their permeability, resulting in caspase-3 activation and apoptosis. Mahanine can reverse an epigenetically silenced gene, RASSF1A in prostate cancer cells by inhibiting DNMT activity that in turn down-regulates a key cell cycle regulator, cyclin D1, is an encouraging therapeutic choice for advanced prostatic cancer.
Targets(IC50)	Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.878 mL	14.3901 mL	28.7803 mL
5 mM	0.5756 mL	2.878 mL	5.7561 mL
10 mM	0.2878 mL	1.439 mL	2.878 mL
50 mM	0.0576 mL	0.2878 mL	0.5756 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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