

## N1,N11-Diethylnorspermine

## Chemical Properties

CAS No. :	121749-39-1
Formula:	C13H32N4
Molecular Weight:	244.42
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	N1,N11-Diethylnorspermine (DENS PM), a spermine analog, serves as a potent anticancer agent by activating polyamine catabolism, which in turn triggers cytochrome c release from mitochondria and activates caspase 3. This process ultimately leads to the death of glioblastoma multiforme (GBM) cells by inducing spermidine/spermine N1-acetyltransferase (SSAT) activity along with the production of H <sub>2</sub> O <sub>2</sub> [1] [2] [3].
Targets(IC50)	Others,Caspase,mTOR
In vivo	N1,N11-Diethylnorspermine (40 mg/kg, thrice daily for two 6-day cycles) significantly inhibits tumor growth in mice with DU-145 cell line xenografts [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0913 mL	20.4566 mL	40.9132 mL
5 mM	0.8183 mL	4.0913 mL	8.1826 mL
10 mM	0.4091 mL	2.0457 mL	4.0913 mL
50 mM	0.0818 mL	0.4091 mL	0.8183 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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481