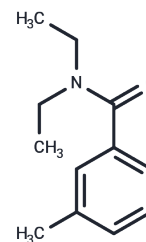


## Diethyltoluamide

## Chemical Properties

CAS No. :	134-62-3
Formula:	C <sub>12</sub> H <sub>17</sub> NO
Molecular Weight:	191.27
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	Diethyltoluamide (DEET) is the most common active ingredient in insect repellents.
Targets(IC50)	Parasite,Cholinesterase (ChE)

## Solubility Information

Solubility	H <sub>2</sub> O: 2 mg/mL (10.46 mM),Sonication is recommended. DMSO: 55 mg/mL (287.55 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	5.2282 mL	26.1411 mL	52.2821 mL
5 mM	1.0456 mL	5.2282 mL	10.4564 mL
10 mM	0.5228 mL	2.6141 mL	5.2282 mL
50 mM	0.1046 mL	0.5228 mL	1.0456 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

Xu P, et al. Proc Natl Acad Sci U S A. 2014 Nov 18;111(46):16592-7.

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