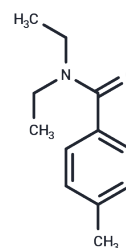


N,N-Diethyl-p-toluamide

Chemical Properties

CAS No. :	2728-05-4
Formula:	C ₁₂ H ₁₇ 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	N, N-Diethyl-p-toluamide is an agent of mosquito repellent.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 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

Reifenrath WG, Robinson PB. In vitro skin evaporation and penetration characteristics of mosquito repellents. J Pharm Sci. 1982 Sep;71(9):1014-8. PubMed PMID: 7131265.

Reifenrath WG, Hill JA, Robinson PB, McVey DL, Akers WA, Anjo DM, Maibach HI. Percutaneous absorption of carbon 14 labeled insect repellents in hairless dogs. J Environ Pathol Toxicol. 1980 Aug;4(1):249-56. PubMed PMID: 7441113.

Ambrose AM, Yost DH. Pharmacologic and toxicologic studies of N,N-diethyltoluamide. II. N,N-Diethyl-o-toluamide and N,N-diethyl-p-toluamide. Toxicol Appl Pharmacol. 1965 Nov;7(6):772-80. PubMed PMID: 5886715.

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