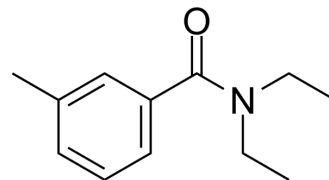


Diethyltoluamide

Cat. No.:	HY-B0978		
CAS No.:	134-62-3		
Molecular Formula:	C ₁₂ H ₁₇ NO		
Molecular Weight:	191.27		
Target:	Parasite		
Pathway:	Anti-infection		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (522.82 mM)
 H₂O : 2 mg/mL (10.46 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Diethyltoluamide is the most common active ingredient in insect repellents. It is intended to provide protection against mosquitoes, ticks, fleas, chiggers, leeches, and many other biting insects.

REFERENCES

[1]. Lu W, et al. DEET as a feeding deterrent. PLoS One. 2017 Dec 14;12(12):e0189243.

Caution: Product has not been fully validated for medical applications. For research use only.

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