

Product Data Sheet

Product Name: Diethyltoluamide (DEET)

Cat. No.: GC32234

Chemical Properties

Cas. No. 134-62-3

SMILES O=C(N(CC)CC)C1=CC=CC(C)=C1

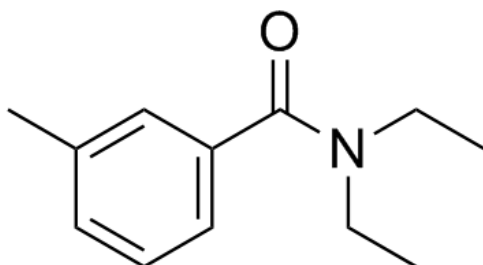
Formula $C_{12}H_{17}NO$ M.Wt 191.27

Solubility DMSO : ≥ 100 mg/mL (522.82 mM); Water : 2 mg/mL (10.46 mM) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

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.

[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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