

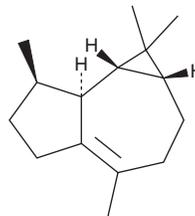
PRODUCT INFORMATION



(+)-Ledene

Item No. 33906

CAS Registry No.: 21747-46-6
Formal Name: 1aR,2,3,5,6,7R,7aS,7bR-octahydro-1,1,4,7-tetramethyl-1H-cycloprop[e]azulene
Synonym: (+)-Viridiflorene
MF: C₁₅H₂₄
FW: 204.4
Purity: ≥95% (mixture of enantiomers)
Supplied as: A neat oil
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

(+)-Ledene is supplied as a neat oil. A stock solution may be made by dissolving the (+)-ledene in the solvent of choice, which should be purged with an inert gas. (+)-Ledene is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide. The solubility of (+)-ledene in these solvents is approximately 30 mg/ml.

Description

(+)-Ledene is a terpene that has been found in *T. vulgaris* red oil.¹ It induces the propagation of *B. xylophilus* nematodes in a cotton ball bioassay when applied at a concentration of 2 mg/cotton ball.

Reference

1. Kong, J.-O., Park, I.-K., Choi, K.-S., et al. Nematicidal and propagation activities of thyme red and white oil compounds toward *Bursaphelenchus xylophilus* (Nematoda: Parasitaphelenchidae). *J. Nematol.* **39(3)**, 237-242 (2007).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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