

Product Data Sheet

Product Name: Germacrene D

Cat. No.: GC40261

Chemical Properties

Cas. No. 23986-74-5

Chemical Name (1E)-1-methyl-5-methylene-8S-(1-methylethyl)-1,6E-cyclodecadiene

SMILES C=C1/C=C/[C@H](C(C)C)CC/C(C)=C\CC1

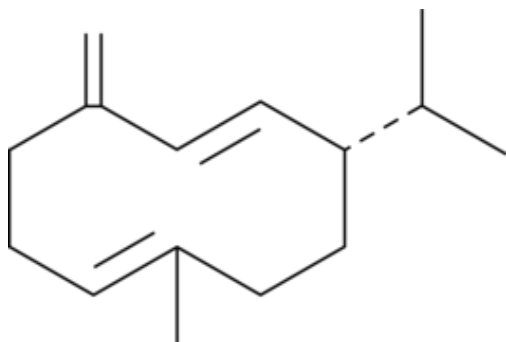
Formula $C_{15}H_{24}$ M.Wt 204.4

Solubility Slightly soluble in chloroform or DMSO Storage Store at -20°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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

Germacrene D is a major volatile component of *Bursera* species and a precursor in sesquiterpene biosynthesis in a variety of plants, including *Solidago* species.[1],[2]

Reference:

[1]. Noge, K., and Becerra, J.X. Germacrene D, a common sesquiterpene in the genus *Bursera* (Burseraceae). *Molecules* 14(12), 5289-5297 (2009).

[2]. Bülow, N., and König, W.A. The role of germacrene D as a precursor in sesquiterpene

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

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biosynthesis: Investigations of acid catalyzed, photochemically and thermally induced rearrangements. *Phytochemistry* 55(2), 141-168 (2000).

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