

Germacrene D Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Germacrene D

Catalog No.: CFN93281

Cas No.: 37839-63-7

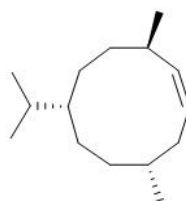
Purity: > 95%

M.F: C₁₅H₂₈

M.W: 208.2

Physical Description: Oil

Synonyms: 1-Methyl-5-methylene-8-(1-methylethyl)-1,6-cyclodecadiene.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The rhizomas of *Panax japonicus* C. A. Mey.

[Biological Activity or Inhibitors]

The sesquiterpene germacrene D (GD) activates a major type of olfactory receptor neuron

on the antennae of the heliothine moths, it can increase attraction and oviposition by the tobacco budworm moth *Heliothis virescens*.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

GS-MS:

Chromatographic conditions:

Inlet temperature: 290 °C;

The carrier gas was helium and the split ratio: 0.8 mL / min;

Temperature program: initial column temperature of 50 °C to 300 °C;

Electron Energy: 70eV.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Mozuraitis R, Strandén M, Ramirez M I, *et al. Chem. Senses*, 2002, 27(6):505-9.

[2] Mahmoudi R, Nosratpour S. Teucrium polium L. *International Food Research Journal*, 2013, 20(4):1697-701.

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