

## Product Data Sheet

Product Name: (-)-β-Sesquiphellandrene

Cat. No.: GC49502

### Chemical Properties

Cas. No. 20307-83-9

SMILES C/C(C)=C\CC[C@@H]([C@@]1([H])CCC(C=C1)=C)C

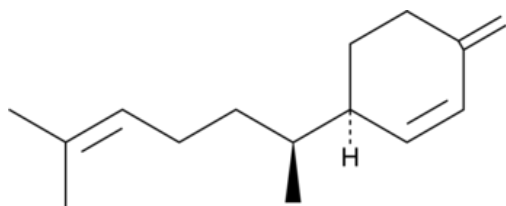
Formula C<sub>15</sub>H<sub>24</sub> M.Wt 204.4

Solubility Chloroform: slightly Storage -20°C

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

(-)-β-Sesquiphellandrene is a sesquiterpene that has been found in *Z. officinale* and has antiviral and anticancer activities.<sup>1,2</sup> It reduces rhinovirus IB virus replication in a plaque reduction assay (IC<sub>50</sub> = 0.44 μM).<sup>1</sup> (-)-β-Sesquiphellandrene is cytotoxic to HCT116 cells when used at a concentration of 10 μM.<sup>2</sup>

1. Denyer, C.V., Jackson, P., and Loakes, D.M. Isolation of antirhinoviral sesquiterpenes from ginger (*Zingiber officinale*) J. Nat. Prod. 57(5)658-662(1994) 2. Agnihotri, V.K., ElSohly, H.N., Khan, S.I., et al. Constituents of *Nelumbo nucifera* leaves and their antimalarial and antifungal activity Phytochem. Lett. 1(2)89-93(2008)

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

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