
Product Data Sheet

Product Name: Carabrone

Cat. No.: GC35604

Chemical Properties

Cas. No. 1748-81-8

SMILES O=C1O[C@@]2([H])[C@@](C[C@]([C@@H]3CCC(C)=O)([H])[C@]3(C)C2)([H])C1=CFormula C₁₅H₂₀O₃ M.Wt 248.32

Solubility Soluble in DMSO Storage Store at -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**

Carabrone is isolated from the fruits of *Carpesium abrotanoides* , is a well-known sesquiterpene and exhibits significant anti-bacterial and anti-tumor activities[1]. Carabrone exhibits antifungal activities in vitro and in vivo against *Botrytis cinerea*, *Colletotrichum lagenarium* (EC₅₀=7.10 µg/mL) and *Erysiphe graminis*[2]. EC₅₀: 7.10 µg/mL (*Colletotrichum lagenarium*)[1]

[1]. Wang H, et al. Synthesis, antifungal activities and qualitative structure activity relationship of carabrone hydrazone derivatives as potential antifungal agents. [2]. Feng JT, et al. Synthesis and antifungal activity of carabrone derivatives. *Molecules*. 2010 Sep 16;15(9):6485-92.

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

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