

Carabrone Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Carabrone

Catalog No.: CFN99825

Cas No.: 1748-81-8

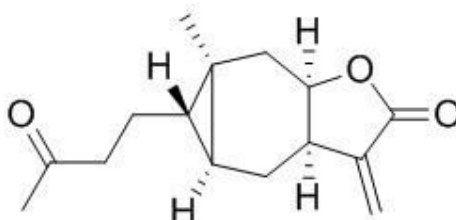
Purity: > 95%

M.F: C₁₅H₂₀O₃

M.W: 248.3

Physical Description: Cryst.

Synonyms: (3aR,4aS,5S,5aR,6aR)-5a-methyl-3-methylidene-5-(3-oxobutyl)-3a,4,4a,5,6,6a-hexahydrocyclopropa[f][1]benzofuran-2-one.



[Intended Use]

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

[Source]

The herbs of *Carpesium abrotanoides*.

[Biological Activity or Inhibitors]

Some of carbonyl derivatives exhibit antifungal activities in vitro or in vivo, the compounds with a pyridinyl residue can either efficiently inhibit spore germination or efficiently inhibit hyphal growth of *B. cinerea*.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 211 nm.

[Storage]

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

[References]

[1] Wang D, Ren S, Wang H, *et al. Chem. Biodivers.*, 2014, 11(6):886-903.

[2] Liu M, Zhou X J. *Zhongguo Zhong yao za zhi* , 2015, 40(9):1783-6.

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