

Grifolic acid Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Grifolic acid

Catalog No.: CFN97284

Cas No.: 80557-12-6

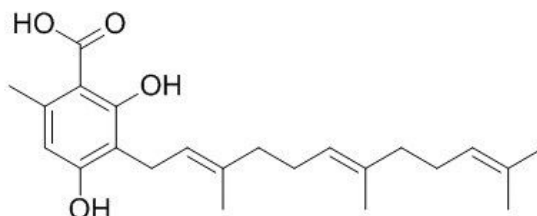
Purity: > 95%

M.F: C₂₃H₃₂O₄

M.W: 372.5

Physical Description: Powder

Synonyms: 2,4-Dihydroxy-6-methyl-3-[(2E,6E)-3,7,11-trimethyl-2,6,10-dodecatrien-1-yl]benzoic acid.



[Intended Use]

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

[Source]

From *Cylindrocarpon ianthothele* var. *majus*.

[Biological Activity or Inhibitors]

Grifolic acid has antibacterial activity, it can inhibit the growth of *Staphylococcus aureus* and *Staphylococcus epidermidis*.^[1]

Grifolic acid is a natural carbonic anhydrase II inhibitor(CA II), it shows inhibitory activities against CA II with IC₅₀ of 6.37 umol/L.^[2]

[**Solvent**]

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

[**HPLC Method**]

Not data available.

[**Storage**]

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

[**References**]

[1] Langfield R D, Scarano F J, Heitzman M E, *et al. J. Ethnopharmacol.*, 2004Oct;94 (2-3):279-81.

[2] Huang H Q, Pan X L, Ji C J. *Science China Chemistry*,2009, 52(3):332-7.

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