

Hotrienol Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Hotrienol

Catalog No.: CFN99583

Cas No.: 20053-88-7

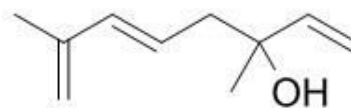
Purity: > 98%

M.F: C₁₀H₁₆O

M.W: 152.23

Physical Description: Oil

Synonyms: 3,7-Dimethyl-3-octa-1,5,7-trienol.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Aromatics;
6. Spice flavor;
7. Others.

[Source]

The fruits of *Citrus sinensis*.

[Biological Activity or Inhibitors]

Hotrienol has antioxidant capacity.^[1]

Hotrienol is an excellent fruity smelling compound, could be a flavouring ingredient.^[2]

Hotrienol and methyl syringate can be considered non-specific chemical markers of *S. hortensis* honey. ^[3]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.

[HPLC Method]^[4]

Mobile phase: Acetonitrile- 0.2M Phosphoric acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Jerković I, Tuberoso C I G, Baranović G, et al. *Chem. Biodivers*, 2015, 12(7):1047–56.

[2] Yuasa Y, Kato Y. *J. Agr. Food Chem.*, 2003, 51(14):4036-9.

[3] Filipan V. *Brotatian Scientific Bibliography*, 2008:132-4.

[4] Jerković I, Tuberoso C I G, Baranović G, et al. *Croat. Chem. Acta*, 2015, 88(1):15-22.

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