

Elemicin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Elemicin

Catalog No.: CFN90685

Cas No.: 487-11-6

Purity: >=98%

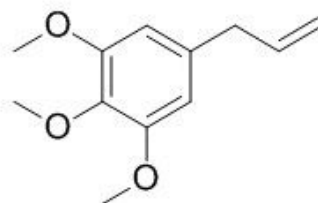
M.F: C₁₂H₁₆O₃

M.W: 208.25

Physical Description: Oil

Synonyms:

1,2,3-Trimethoxy-5-(2-propenyl)benzene; 5-Allyl-1,2,3-trimethoxybenzen; 1,2,3-trimethoxy-5-allylbenzene (elemicin); 3,4,5-Trimethoxyallylbenzene; 4-Allyl-1,2,6-trimethoxybenzene.



[Intended Use]

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

[Source]

The leaves of *Perilla frutescens* (L.) Britt.

[Biological Activity or Inhibitors]

Elemicin, a main antibacterial component of *Daucus carota* L. essential oil against *Campylobacter jejuni*.^[1]

Elimicin and alpha- and beta-asarone are genotoxic in the unscheduled DNA synthesis (UDS) assay.^[2]

Elemicin has antiviral activity.^[3]

[Solvent]

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

[GC Method]^[4]

Inlet temperature :240 °C;

Detector temperature :280 °C;

Carrier gas:Nitrogen;

Column flow rate: 1.0 mL / min;

Temperature program: initial column temperature of 40 °C to 220 °C.

[Storage]

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

[References]

[1] Rossi P G, Bao L, Luciani A, *et al. J.Agr. Food Chem.* 2007, 55(18):7332-6.

[2] Hasheminejad G, Caldwell J. *Food Chem. Toxicol.*, 1994, 32(3):223-31.

[3] S.Sajjadi, Y. Shokoohinia, S. Hemmati, *et al. Res. Pharmaceut.Sci.*, 2012;7(5):s784.

[4] Zhao X, Huang L, Yang H, *et al. Chinese Journal of Pharmaceutical Analysis*, 2012, 32:1569-73.

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