

Isoelemicin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Isoelemicin

Catalog No.: CFN97886

Cas No.: 5273-85-8

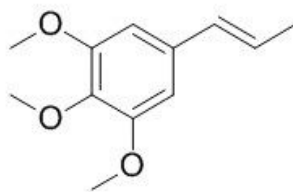
Purity: >=95%

M.F: C₁₂H₁₆O₃

M.W: 208.25

Physical Description: Oil

Synonyms: 1,2,3-Trimethoxy-5-[(1E)-1-propenyl]benzene.



[Intended Use]

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

[Source]

The herbs of *Erythrina stricta*.

[Biological Activity or Inhibitors]

trans-Isoelemicin is antifungal against *Cladosporium cucumerinum*, and exhibits larvicidal

activity against *Aedes aegypti*.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O- Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 270 nm.

[Storage]

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

[References]

[1] Marston A, Hostettmann K, Msonthi J D. *J.Nat. Prod.*, 1995, 58(58):128-30.

[2] Grice I D, Rogers K L, Griffiths L R. *Evid.-Based Compl. Alt.* , 2011, 2011(11): 467134.

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