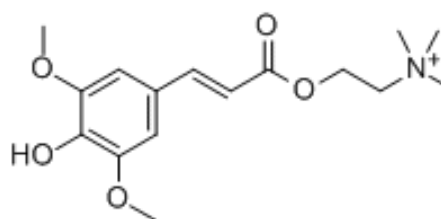


Sinapine Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Sinapine**Catalog No.:** CFN00092**Cas No.:** 18696-26-9**Purity:** > 95%**M.F:** C₁₆H₂₄NO₅⁺**M.W:** 310.36**Physical Description:** Powder

Synonyms: Ethanaminium,2-((3-(4-hydroxy-3,5-dimethoxyphenyl)-1-oxo-2-propenyl)oxy)-N,N,N-trimethyl-;2-[[3-(4-Hydroxy-3,5-dimethoxyphenyl)-1-oxo-2-propenyl]oxy]-N,N,N-trimethylethanaminium; Sinapic acid choline ester;2-((3-(4-hydroxy-3,5-dimethoxyphenyl)-1-oxo-2-propenyl)oxy)-N,N,N-trimethyl-2-[[3-(4-Hydroxy-3,5-dimethoxyphenyl)-1-oxo-2-propenyl]oxy]-N,N,N-trimethylethanaminium;2-[[3-(4-Hydroxy-3,5-dimethoxyphenyl)-1-oxo-2-propen-1-yl]oxy]-N,N,N-trimethylethanaminium.

**[Intended Use]**

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

[Source]

The seeds of *Raphanus sativus* L.

[Biological Activity or Inhibitors]

Sinapoylcholine (sinapine) is the most abundant antinutritional phenolic compound in cruciferous seeds.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-0.08 M KH₂PO₄=15:85 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 326 nm.

[Storage]

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

[References]

[1] Huang J, Rozwadowski K, Bhinu V U, *et al.* *Plant Physiol. Bioch.*, 2008, 46(7):647-54.

[2] Yuan G Q, Niu G Y. *China Journal of Traditional Chinese Medicine & Pharmacy*, 2009:1205-7.

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