

Benzyl cinnamate Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Benzyl cinnamate

Catalog No.: CFN98196

Cas No.: 103-41-3

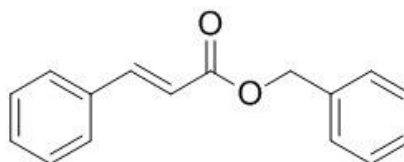
Purity: >=99%

M.F: C₁₆H₁₄O₂

M.W: 238.28

Physical Description: Powder

Synonyms: Benzyl trans-3-phenylpropenoate.



[Intended Use]

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

[Source]

The barks of *Cinnamomum cassia* Presl.

[Biological Activity or Inhibitors]

Benzyl cinnamate (Jacobson's solution) with vitamin A can treat cerebrovascular lesions.^[1]

Benzyl cinnamate can treat trachoma and corneal opacities.^[2]

Benzyl cinnamate can treat Meniere's syndrome and tinnitus aurum. ^[3]

Benzyl cinnamate and dibenzalacetone are non-steroidal anti-inflammatory compounds and compositions thereof.^[4]

Benzyl cinnamate solution has effectivity action in chronic inflammatory lesions of the pelvis.^[5]

[Solvent]

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

[HPLC Method]^[6]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Ellis H L, Jacobson J. *Harlem Hospital Bulletin*, 1960, 1:97-102.

[2] Jacobson J. *Arch. Ophthalmol.*, 1936, 16(3):400-4.

[3] Scal J C. *Eye, Ear, Nose & Throat Monthly*, 1946, 25:150.

[4] Smerbeck R V, Pittz E P. *US4587260[P]*. 1986.

[5] Jacobson J. *American Practitioner & Digest of Treatment*, 1951, 2(8):699-700.

[6] Villa C, Gambaro R, Mariani E, et al. *J. Pharmaceut. Biomed.*, 2007, 44(3):755-62.

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