

Canniprene Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Canniprene

Catalog No.: CFN97198

Cas No.: 70677-47-3

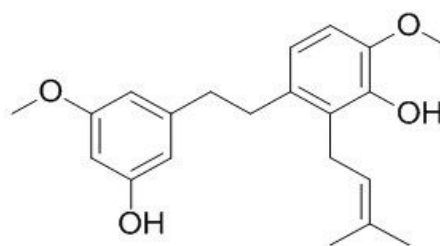
Purity: > 95%

M.F: C₂₁H₂₆O₄

M.W: 342.4

Physical Description: Powder

Synonyms: 3-[2-(3-Hydroxy-5-methoxyphenyl)ethyl]-6-methoxy-2-(3-methyl-2-butenyl)phenol enol.



[Intended Use]

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

[Source]

The herbs of *Dendrobium densiflorum*.

[Biological Activity or Inhibitors]

Canniprene is a prototype anti-inflammatory natural product.^[1]

Canniprene can potently inhibit the production of inflammatory eicosanoids via the 5-lipoxygenase pathway ($IC_{50}=0.4\mu M$) and also can affect the generation of prostaglandins via the cyclooxygenase/microsomal prostaglandin E2 synthase pathway ($IC_{50}=10\mu M$).^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile-0.5% Orthophosphoric acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 210/272 nm.

[Storage]

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

[References]

[1] Elsohly H, Little T J, Elsohly M. *Planta Med.*, 2007, 56(06):662-3.

[2] Allegrone G, Pollastro F, Magagnini G, *et al. J. Nat. Prod.*, 2017 Mar 24; 80(3):731-4.

[3] Muñoz Blanco E, Appendino G, Fiebich B L, *et al. EP2044935[P]*. 2011.

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com