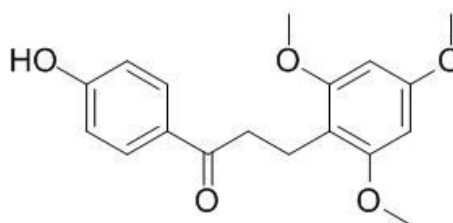


Loureirin B Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Loureirin B**Catalog No.:** CFN98173**Cas No.:** 119425-90-0**Purity:** >=98%**M.F:** C₁₈H₂₀O₅**M.W:** 316.35**Physical Description:** White powder**Synonyms:** 1-(4-Hydroxyphenyl)-3-(2,4,6-trimethoxyphenyl)propan-1-one.**[Intended Use]**

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

[Source]The herbs of *Dracaena cochinchinensis*.**[Biological Activity or Inhibitors]**

Both blood resin and loureirin B can suppress tetrodotoxin-sensitive (TTX-S) voltage-gated sodium currents in a dose-dependent way, demonstrates that the effects of blood resin on TTX-S sodium current may contribute to loureirin B in blood resin, perhaps the analgesic effect of blood resin is caused partly by loureirin B directly interfering with the nociceptive transmission of primary sensory neurons.^[1]

Loureirin B can downregulate the expression of fibrosis-related molecules by regulating MMPs and TIMPs levels, inhibit scar fibroblast proliferation and suppress TGF- β 1-induced fibrosis, during which TGF- β 1/Smad2/3 pathway is likely involved, suggest that loureirin B is a potential therapeutic compound for hypertrophic scar (HS) treatment.^[2]

Loureirin B may accomplish its islet cell protection effects by reducing reactive oxygen species(ROS) within cell and reversing glucose metabolism disorder and other effects induced by forkhead box protein-1(FOXO1) activated by oxidative stress. ^[3]

Loureirin B can significantly inhibit hepatic stellate cells proliferation and extracellular matrix secretion.^[4]

[Solvent]

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

[HPLC Method]^[5]

Mobile phase: Acetonitrile-H₂O-Acetic acid glacial, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 275 nm.

[Storage]

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

[References]

- [1] Liu X, Chen S. *Sci. China Life Sci.*, 2004, 47(4):340-8.
- [2] Bai X, He T, Liu J, et al. *Exp. Dermatol.*, 2015, 24(5):355-60.
- [3] Xu Q, Deng L D, Song Y, et al. *Chinese Journal of Experimental Traditional Medical*, 2013, 19(23):254-7.
- [4] Li Y L, Fan H, Song Z J, et al. *Shandong Medical Journal*, 2012, 52(13):7-9.
- [5] Zhao Z, Huang D. *Chinese Journal of Pharmaceutical Analysis*, 2001, 21(4):263-4.

[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