

Lysicamine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Lysicamine

Catalog No.: CFN93254

Cas No.: 15444-20-9

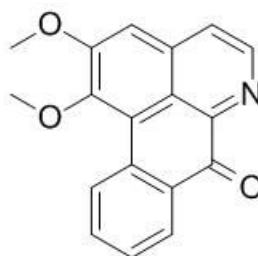
Purity: >=98%

M.F: C₁₈H₁₃NO₃

M.W: 291.3

Physical Description: Powder

Synonyms: 1,2-Dimethoxy-7H-dibenzo(de,g)quinolin-7-one; Noraporphin-7-one, 4,5,6,6a-tetrahydro-1,2-dimethoxy-



[Intended Use]

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

[Source]

The barks of *Magnolia officinalis*.

[Biological Activity or Inhibitors]

Lysicamine has antimicrobial and anti-inflammation activity, the minimum inhibitory concentrations of the pour component (*Streptococcus mutans*, *Porphyromonas gingivalis*, *Actinobacillus actinomycetemcomitans* and *Candida albicans*.) is less than 5mg/ml for all four microorganisms and the minimum concentration with anti-inflammation is 0.2mg/ml for both IL-8 and IL-6.^[1]

Lysicamine has antileishmanial activity.^[2]

Lysicamine shows significant antioxidant capacity in the ORAC(FL) assay and it is active against *S. epidermidis* and *C. dubliniensis*, with MIC values in the range 12.5-100 microg mL⁽⁻¹⁾.^[3]

Lysicamine can significantly inhibit the proliferation of melanoma cells, it has antioxidative activity and chemopreventive activity in skin melanoma cells.^[4]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] Wang P, Zhu M Z, Huang W, *et al. Applied Mechanics & Materials*, 2011, 108:189-93.

[2] Muraca A C A, Raminelli C. *Brazilian Meeting on Organic Synthesis*. 2013:114-114.

[3] Costa E V, Pinheiro M L B, Barison A, *et al. J. Nat. Prod.*, 2010, 73(6):1180-3.

[4]Kang Y F, Liu C M, Kao C L, *et al. Molecules*, 2014, 19(4):4234-45.

[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