

Norlichexanthone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Norlichexanthone

Catalog No.: CFN98041

Cas No.: 20716-98-7

Purity: > 95%

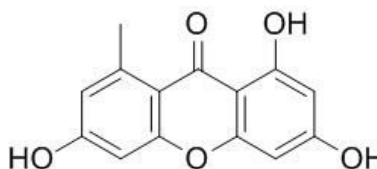
M.F: C₁₄H₁₀O₅

M.W: 258.2

Physical Description: Yellow powder

Synonyms: 1,3,6-Trihydroxy-8-methyl-9H-xanthen-9-one; Rlichexanthone; Fusarindin;

3,6,8-Trihydroxy-1-methylxanthone.



[Intended Use]

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

[Source]

From *Cucurbitaria* sp.

[Biological Activity or Inhibitors]

Norlichexanthone can promote the secretion and expression of adiponectin in cultured ST-13 adipocytes, it has the potential to treat and/or prevent lifestyle-related diseases, including metabolic syndrome, type 2 diabetes, atherosclerosis and cardiovascular diseases.^[1]

Norlichexanthone has antibacterial activity, it shows strong activity against *Bacillus subtilis* with IC_{50} in the range of 1-5 μ M, it also significantly inhibits the growth of methicillin-resistant *Staphylococcus aureus* with IC_{50} of 20.95 \pm 1.56 μ M.^[2]

Norlichexanthone produces significant chemosuppression of parasitaemia, it has antimalarial activity.^[3]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: CHCl₃- Methanol = 50:50 ;

Flow rate: 3.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Ikeda M, Kurotobi Y, Namikawa A, *et al. Med. Chem.*, 2011, 7(4):250-6.

[2] Wang Q X, Bao L, Yang X L, *et al. Fitoterapia*, 2012, 83(1):209-14.

[3] Fotie J, Nkengfack A E, Rukunga G, *et al. Ann. Trop. Med. Parasit.*, 2003, 97(7):683-8.

[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