

Digitolutein Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Digitolutein

Catalog No.: CFN92109

Cas No.: 477-86-1

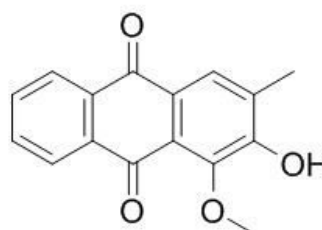
Purity: > 95%

M.F: C₁₆H₁₂O₄

M.W: 268.26

Physical Description: Powder

Synonyms: 2-Hydroxy-1-methoxy-3-methylantracene-9,10-dione.



[Intended Use]

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

[Source]

The stem bark and roots of *Morinda lucida Benth.*

[Biological Activity or Inhibitors]

Digitolutein, extracted from the stem bark and the roots of *Morinda lucida Benth.*, has

inhibition on the growth of Plasmodium falciparum in vitro .^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 0.5% Acetic acid in water- 0.5% Acetic acid in methanol, gradient elution ;

Flow rate: 2.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Koumaglo K, Gbeassor M, Nikabu O, *et al. Planta Med.*, 1992, 58(6):533-4.

[2] 방한열, 양은주, 김정아, *et al. 생명과학회지*, 2013, 23:1025-31.

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