

Dimethyl phthalate Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Dimethyl phthalate

Catalog No.: CFN99401

Cas No.: 131-11-3

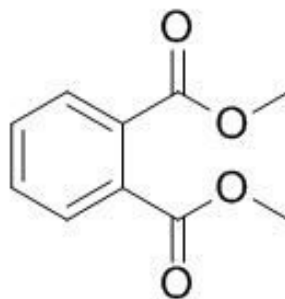
Purity: > 95%

M.F: C₁₀H₁₀O₄

M.W: 194.2

Physical Description: Oil

Synonyms: Dimethyl phthalate acid ester; Dimethyl benzene-1,2-dicarboxylate.



[Intended Use]

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

[Source]

The herbs of *Toona ciliata*.

[Biological Activity or Inhibitors]

Dimethyl phthalate treated wristbands are most promising against both day and

night-biting mosquitoes and significantly reducing the man-vector contact, therefore, it can serve as a potential as means of personal protection device against insect nuisance biting and insect-borne disease when and where other kinds of personal protection measures are impossible and impracticable.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 0.1% Trifluoroacetic acid in water- Methanol, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 225 nm.

[Storage]

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

[References]

[1] Karunamoorthi K, Sabesan S. *Eur. Rev. Med. Pharmacol. Sci.*, 2010, 14(5):443-8.

[2] Okamoto Y, Okajima K, Toda C, *et al. Journal of Health Science*, 2004, 50(5):556-60.

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