

Conocarpan Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Conocarpan

Catalog No.: CFN98208

Cas No.: 221666-27-9

Purity: > 95%

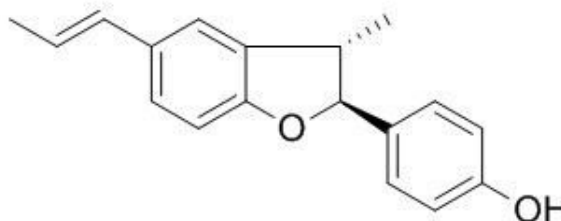
M.F: C₁₈H₁₈O₂

M.W: 266.3

Physical Description: Powder

Synonyms: Phenol, 4-[(2S,3S)-2,3-dihydro-3-methyl-5-(1E)-1-propen-1-yl-2-benzofuranyl]

-.



[Intended Use]

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

[Source]

The wood of *Conocarpus erectus*.

[Biological Activity or Inhibitors]

Conocarpan has antinociceptive effects.^[1]

Conocarpan is quite active against *S. aureus* and *B. subtilis* with MIC of 6.25 micrograms/ml, it also shows activity against *M. tuberculosis* (MIC=15.6 ug/ml).^[2,3]

Conocarpan shows considerable activity against epimastigote forms of *T. cruzi*, with 50% inhibition concentrations (IC₅₀) of 8.0 microg/ml.^[4]

[Solvent]

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

[HPLC Method]^[5]

Mobile phase: 2% Acetic acid in water- 2% Acetic acid in acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30°C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

- [1] Silva R Z D, Yunes R A, Souza M M D, *et al. J. Nat .Med.*,2010 Oct;64(4):402-8.
- [2] Pessini G L, Dias Filho B P, Nakamura C V, *et al. Mem. Inst. Oswaldo. Cruz.*,2003 Dec; 98(8):1115-20.
- [3] Siqueira V, Lonardon M. *Phytomedicine.*,2013 May 15;20(7):600-4.
- [4] Luize P S, Ueda-Nakamura T, Dias Filho B P, *et al. Biol. Pharm. Bull.*,2006 Oct;29(10): 2126-30.
- [5] Felipe D F, Filho B P, Nakamura C V, *et al. J. Pharm. Biomed. Anal.*,2006 Jun 16;41(4): 1371-5.

[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