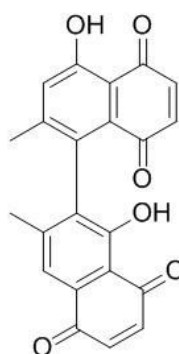


Isodiospyrin Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Isodiospyrin**Catalog No.:** CFN98019**Cas No.:** 20175-84-2**Purity:** > 95%**M.F:** C₂₂H₁₄O₆**M.W:** 374.4**Physical Description:** Red powder**Synonyms:** 1',4-Dihydroxy-2,3'-dimethyl-1,2'-binaphthalene-5,5',8,8'-tetrone.**[Intended Use]**

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

[Source]The herbs of *Diospyros morrisiana*.**[Biological Activity or Inhibitors]**

Isodiospyrin is a novel human DNA topoisomerase I inhibitor, it exhibits cytotoxic activity

to tumor cell lines.^[1]

Isodiospyrin has antibacterial activity, the minimum inhibitory concentrations (MICs) against Gram-positive bacteria ranged from 0.78 to 50 microg/mL.^[2]

Isodiospyrin shows high antifungal activity against *P. obscurans* at 30uM with 81.4% growth inhibition, and moderate activity against *P. viticola* (36.6%).^[3]

[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] Ting C Y, Hsu C T, Hsu H T, *et al. Biochem.Pharmacol.*,2003 Nov 15;66(10):1981-91.

[2] Adeniyi B A, Fong H H, Pezzuto J M, *et al. Phytother. Res.*,2000 Mar;14(2):112-7.

[3] Wang X, Habib E, León F, *et al. Chem.Biodivers.*,2011 Dec;8(12):2331-40.

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