Natural Products

ChemFaces

Sennidin A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Sennidin A

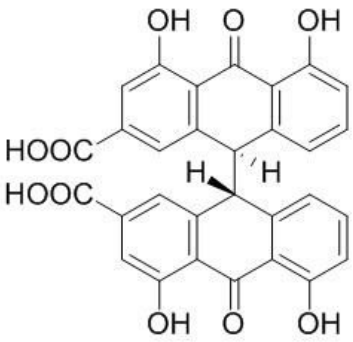
Catalog No.: CFN99597

Cas No.: 641-12-3

Purity: > 98%

M.F: $C_{30}H_{18}O_{10}$

M.W: 538.46



Physical Description: Yellow powder

Synonyms:1',1,8',8-Tetrahydroxy-10,10'-dihydroanthrone-3,3'-dicarboxylic acid.

[Intended Use]

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

[Source]

The leaves of *Cassia angustifolia.*

[Biological Activity or Inhibitors]

010601I-Sennidin A in combination with necrosis inducing drugs/therapies may generate synergetic tumoricidal effects on solid malignancies by means of primary debulking and secondary cleansing process.[1]

Sennidin A stimulates glucose incorporation in the phosphatidylinositol 3-kinase (PI3K)- and Akt-dependent in rat adipocytes, but in the IR/IRS1-independent manner.[2]

Sennidin A, has two hydroxyanthraquinone-like moieties, exerts inhibition on NS3 helicase with IC50 values of 0.8 uM.[3]

[Solvent]

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

[HPLC Method][4]

Mobile phase: Methanol-1.25% Acetic acid H2O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 40 ℃;

The wave length of determination: 360 nm..

[Storage]

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

[References]

[1] Ji Y, Jiang C, Zhang X, *et al. Oncotarget, 2014, 5(10):2934-46.*

[2] Abe D, Saito T, Sekiya K. *Life Sci., 2006, 79(11):1027-33.*

[3] Furuta A, Tsubuki M, Endoh M, *et al. Int. J. Mol. Sci., 2014, 16(8):18439-53.*

[4] Sun Y, Li XT, Yu XG,*et al. Chinese Journal of Chromatography, 2004, 22(1):48-50.*

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