

Sennoside A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Sennoside A

Catalog No.: CFN99903

Cas No.: 81-27-6

Purity: >=98%

M.F: C₄₂H₃₈O₂₀

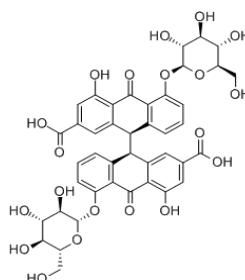
M.W: 862.74

Physical Description: Yellow powder

Synonyms:

(9R,9'R)-5,5'-bis(beta-D-glucopyranosyloxy)-4,4'-dihydroxy-10,10'-dioxo-9,9',10,10'-tetrahydro-9,9'-bianthracene-2,2'-dicarboxylic acid;

9-[2-carboxy-4-hydroxy-10-oxo-5-[3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydropyran-2-yl]oxy-9H-anthracen-9-yl]-4-hydroxy-10-oxo-5-[3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydropyran-2-yl]oxy-9H-anthracene-2-carboxylic acid.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Anthraquinones, Hydroquinones and Quinones;
6. Others.

[Source]

The leaves of *Cassia angustifolia*.

[Biological Activity or Inhibitors]

Sennoside A, derived from the traditional chinese medicine plant Rheum L ., is a new dual HIV-1 inhibitor effective on HIV-1 replication.^[1]

Sennoside A and Sennoside B have protective effects on gastric lesion.^[2]

Sennoside A is well known to induce diarrhea, has purgative activity. ^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

Mobile phase: Acetonitrile -H₂O-Phosphoric acid =200:800:1;

Flow rate: 1.2 ml/min;

Column temperature: 40 °C;

The wave length of determination: 380 nm.

[Storage]

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

[References]

[1] Esposito F, Carli I, Vecchio C D, *et al. Phytomedicine*, 2016, 23(12):1383-91.

[2] In Young Hwang, Sun Yi Lee, Yoon Ah Sohn, *et al. The FASEB Journal*, 2015, 29(1): 716.10.

[3] Okamura N, Abo N, Aono M, *et al. Journal of Traditional Medicines*, 2002, 19(3):114-8.

[4] Rosenthal I, Wolfram E, Meier B. *Pharmeuropa Bio & Scientific Notes*, 2014, :96-106.

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