

Sennoside B Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Sennoside B

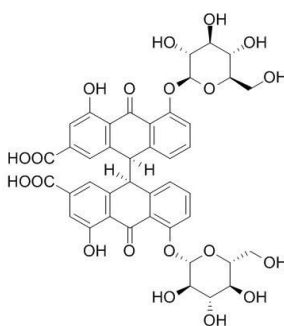
Catalog No.: CFN99904

Cas No.: 128-57-4

Purity: >=98%

M.F: C₄₂H₃₈O₂₀

M.W: 862.74



Physical Description: Yellow powder

Synonyms: Giysennide; (9S)-9-[(9R)-2-Carboxy-4-hydroxy-10-oxo-5-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-9H-anthracen-9-yl]-4-hydroxy-10-oxo-5-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-9H-anthracene-2-carboxylic acid; Pursennine.

[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]

Sennoside A and sennoside B possess significant gastroprotective activities and they might be useful for the treatment of gastric disease. ^[1]

Sennoside B can inhibit platelet-derived growth factor (PDGF)-stimulated cell proliferation by binding to PDGF-BB and its receptor and by down-regulating the PDGFR- β signaling pathway in human MG63 osteosarcoma cells, it is therefore of potential utility in the treatment of proliferative diseases in which PDGF signaling plays a central role.^[2]

Sennoside B, a major purgative component.^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

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

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 380 nm.

[Storage]

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

[References]

[1] Hwang I Y, Jeong C S. *Biomol. Ther.*, 2015, 23(5):458-64.

[2] Chen Y C, Chang C N, Hsu H C, *et al. Life Sci.*, 2009, 84(25–26):915-22.

[3] Morinaga O, Nakajima S, Tanaka H, *et al. Analyst*, 2001, 126(8):1372-6.

[4] Yamasaki K, Kawaguchi M, Tagami T, *et al. J.Nat. Med.*, 2010, 64(2):126-32.

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