

Syringaresinol-di-O-glucoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Syringaresinol-di-O-glucoside

Catalog No.: CFN90458

Cas No.: 66791-77-3

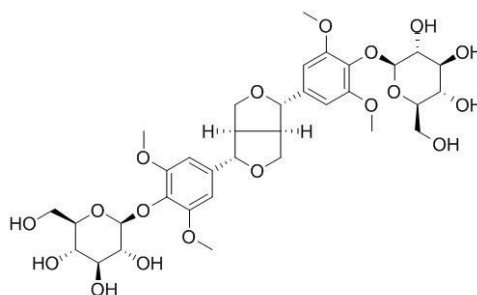
Purity: >=98%

M.F: C₃₄H₄₆O₁₈

M.W: 742.72

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The barks of *Eucommia ulmoides*.

[Biological Activity or Inhibitors]

Syringaresinol di-O-glucoside, isolated from *Eleutherococcus senticosus* and syringin,

can protect the animals from the stress-induced decreases in sex behaviours and in rectal temperature, the stress-induced failure of retrieval of memory, and the stress-induced enlargement of adrenal gland.^[1]

(+)-Syringaresinol-di-O-b-D-glucoside can modulate the inflammatory process involved in arthritis by suppressing various gene expression through inhibiting AP-1 and/or NF-kappaB activities.^[2]

Syringaresinol di-o-beta-D-glucoside and chlorogenic acid show a significantly inhibitory effect on gastric ulcer, suggests that the protective effect of the stem bark of *A. senticosus* on gastric ulcer may be partially due to those of chlorogenic acid and syringaresinol di-o-beta-D-glucoside. ^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 220 nm.

[Storage]

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

[References]

[1] Nishiyama N, Kamegaya T, Iwai A, *et al. Japanese Journal of Pharmacognosy, 1985, 39:238-42.*

[2] Yamazaki T, Shimosaka S, Sasaki H, *et al. Toxicol. in Vitro, 2007, 21(8):1530-7.*

[3] Fujikawa T, Yamaguchi A, Morita I, *et al. Biol. Pharmaceut. Bull., 1996, 19(9):1227-30.*

[4] Wang Z, Zhang L, Sun Y. *J. Chromatogr.Sci.*, 2005, 43(5):249-52.

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