[ **Product Information** ]

**Name:** Syringin  
**Catalog No.:** CFN99282  
**Cas No.:** 118-34-3  
**Purity:** >=98%  
**M.F:** $\text{C}_{17}\text{H}_{24}\text{O}_{9}$  
**M.W:** 372.37  
**Physical Description:** Powder  
**Synonyms:** Eleutheroside B; 4-[(1E)-3-hydroxyprop-1-en-1-yl]-2,6-dimethoxyphenyl beta-D-glucopyranoside.

[ **Intended Use** ]

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

[ **Source** ]

The fruits of *Syringa vulgaris*.

[ **Biological Activity or Inhibitors** ]
Syringin, a main active substance isolated from Eleutherococcus senticosus, has immunomodulatory and anti-inflammatory properties, it may alleviate the fulminant hepatic failure (FHF) induced by LPS/D-GalN through inhibiting NF-κB activation to reduce TNF-α production. [1]

Syringin after oral administration has anti-inflammatory and antinociceptive effects, the mechanism may be attributed to its in vivo transformation to sinapyl alcohol. [2]

Syringin may be implicated as an immunomodulator having an anti-allergic effect rather than an anti-inflammatory effect, the anti-allergic effect of syringin seems to be due, in part, to inhibition of TNF-alpha production and cytotoxic T cell proliferation. [3]

Syringin is expected to be useful for preventing Aβ (25–35) -induced neuronal cell damage, the neuroprotective effect of syringin seems to be originated from the reduction of apoptosis since decrease in caspase-3 activity and expression, reduction in cleaved PARP, and DNA fragmentation [4]

Syringin causes a dose dependent fall in systolic, diastolic and mean arterial blood pressure, whereas heart rate also decreases at a slightly higher dose; the hypotensive activity was not inhibited by antihistamine or antimuscarinic agents, it has no effect on the pressor effect induced by norepinephrine or carotid occlusion. [5]

[Solvent]
Pyridine, Methanol, Ethanol, etc.

[HPLC Method] [6]
Mobile phase: Acetonitrile -H2O=5:95 ;
Flow rate: 1.0 ml/min;
Column temperature: 25 °C;
The wave length of determination: 220 nm.

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

[ References ]


[ Contact ]

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