

(-)-Syringaresinol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: (-)-Syringaresinol

Catalog No.: CFN92500

Cas No.: 6216-81-5

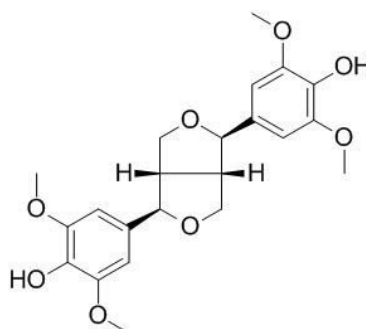
Purity: > 95%

M.F: C₂₂H₂₆O₈

M.W: 418.4

Physical Description: Powder

Synonyms: (8S,8'S)-(-)-Syringaresinol.



[Intended Use]

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

[Source]

The rhizomes of *Polygonatum kingianum*.

[Biological Activity or Inhibitors]

(-)-Syringaresinol can potently inhibit the proliferation of human promyelocytic HL-60 cells

through G(1) arrest and induction of apoptosis, suggests that it may be a potential chemotherapeutic agent for the treatment of cancer.^[1]

(-)-Syringaresinol shows inhibitory effects on the P-glycoprotein in adriamycin-resistant human breast cancer cells, MCF-7/ADR.^[2]

(-)-Syringaresinol and (+)-syringaresinol , as well as a mixture of their glucosides, show dose-dependent neuritogenesis in a concentration range from 0.24 to 24 microM in PC12h cells. ^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Methanol -H₂O=80:20 ;

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] Park B Y, Oh S R, Ahn K S, *et al. Int. Immunopharmacol.*, 2008, 8(7):967-73.

[2] Jeong Y H, Chung S Y, Han A R, *et al. Chem. Biodivers.*, 2007, 4(1):12-6.

[3] Chiba K, Yamazaki M, Umegaki E, *et al. Biol. Pharm. Bull.*, 2002, 25(6):791-3.

[4] Feng D Z, Li F, Bai D, *et al. Chinese Archives of Traditional Chinese Medicine*, 2007, 25(8):1725-6.

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