[ Product Information ]

Name: Pectolinarigenin
Catalog No.: CFN99010
Cas No.: 520-12-7
Purity: > 98%
M.F: C₁₇H₁₄O₆
M.W: 314.3

Physical Description: Yellow powder

Synonyms: 5,7-Dihydroxy-6-methoxy-2-(4-methoxyphenyl)-1-benzopyran-4-one.

[ Intended Use ]

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

[ Source ]

The leaves of Linaria vulgaris Mill.

[ Biological Activity or Inhibitors ]
Pectolinarin and pectolinarigenin exhibit hepatoprotective activity mainly via SOD antioxidant mechanism, can prevent the hepatic injury in rats caused by D-galactosamine.\[^1\]

Pectolinarigenin and pectolinarin possess anti-inflammatory activity and that they may inhibit eicosanoid formation in inflammatory lesions.\[^2\]

Pectolinarigenin inhibits breast cancer stem cell-like properties and lowers the chemoresistance of the cancer cells to chemotherapy, the results provide an insight into the mechanism of the anti-breast tumor effects and an experimental basis for the use of pectolinarigenin to enhance treatment of patients with breast cancer.\[^3\]

Pectolinarigenin shows potent anti-proliferation activity by inducing apoptosis and downregulation of Bcl2 expression in MCF-7 breast cancer cell; protein expression of Bcl2 is almost completely inhibited upon the treatment with 25 mM pectolinarigenin.\[^4\]

### [Solvent]

Chloroform, Dichloromethane, DMSO, Acetone, etc.

### [HPLC Method]\[^5\]

Mobile phase: Acetonitrile- 0.1% Ortho phosphoric acid H2O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wavelength of determination: 331 nm.

### [Storage]

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

### [References]


[ Contact ]

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