[Product Information]

Name: Penduletin
Catalog No.: CFN98957
Cas No.: 569-80-2
Purity: > 95%
M.F: C_{18}H_{16}O_{7}
M.W: 344.3

Physical Description: Yellow powder

Synonyms: 5-Hydroxy-2-(4-hydroxyphenyl)-3,6,7-trimethoxy-1-benzopyran-4-one;
4',5-Dihydroxy-3,6,7-trimethoxyflavone; Candirone.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Ingredient in supplements, beverages;
8. Others.

[Source]
The leaves of *Laggera pterodonta*.

**[Biological Activity or Inhibitors]**

Penduletin has strong activity in vitro against EV71 with low cytotoxicity, it shows a similar 50% inhibitory concentration (IC$_{50}$) value of about 0.20 uM, it also inhibits several other human enteroviruses with similar efficacy.[1]

Penduletin inhibits the growth of human glioblastoma cells and induce apoptosis, it presents antitumoral activity to glioblastoma cells.[2]

Penduletin can partially inhibit synovial phospholipase A2 activity. [3]

**[Solvent]**

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

**[HPLC Method]**

Mobile phase: Methanol-H2O gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 272 nm.

**[Storage]**

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

**[References]**

[ Contact ]

Address:
S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com
Tel: +86-27-84237783
Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com