[ Product Information ]

Name: Vitexin -4''-O-glucoside
Catalog No.: CFN92072
Cas No.: 178468-00-3
Purity: >95%
M.F: C_{27}H_{30}O_{15}
M.W: 594.5

Physical Description: Powder

Synonyms: 8-(4-O-beta-D-Glucopyranosyl-beta-D-glucopyranosyl)-5,7-dihydroxy-2-(4-hydroxyphenyl)-4H-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 *Crataegus pinnatifida Bunge*.

[ Biological Activity or Inhibitors ]
Vitexin-4''-O-glucoside (VOG) (128 μmol/ L) can effectively protect ECV-304 cells against cytotoxicity induced by tertbutyl hydroperoxide (TBHP), it also can protect TBHP-treated ECV-304 cells from death, significantly decreased MDA production, and increase superoxide dismutase (SOD) activity and mitochondrial membrane potential (ΔΨ), thus,VOG protects against TBHP-induced ECV-304 cell injury partially through resuming mitochondrial function.[1]

Vitexin-4''- O'-glucoside has hepatic and gastrointestinal first-pass effects in rats.[2]

[ Solvent ]
Pyridine, Methanol, Ethanol, etc.

[ HPLC Method ][3]
Mobile phase: Methanol-Acetonitrile-Tetrahydrofuran-0.5% Acetic acid H2O=1:1:19.4:78.6;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 330 nm.

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

[ References ]

[ Contact ]
Address: Email: info@chemfaces.com
S5-3 Building, No. 111, Dongfeng Rd., Wuhan Economic and Technological Development Zone, Wuhan, Hubei 430056, China

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