Quercetin 3-O-beta-D-xylopyranoside Datasheet

4th Edition (Revised in July, 2016)

[ Product Information ]

Name: Quercetin 3-O-beta-D-xylopyranoside
Catalog No.: CFN90718
Cas No.: 549-32-6
Purity: > 98%
M.F: C_{20}H_{18}O_{11}
M.W: 434.08
Physical Description: Yellow powder
Synonyms: Quercetin-3-O-xylopyranoside; Quercetin-3-D-xylopyranoside; Reinutrin, Reyn outrin.

[ Intended Use ]

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

[ Source ]

The herbs of *Epimedium grandiflorum*.

[ Biological Activity or Inhibitors ]
Quercetin derivatives can be practically applied for the treatment and prevention of osteoporosis, since they effectively inhibit osteoclast proliferation and stimulate osteoblast proliferation more than conventional therapeutic agents for osteoporosis, and increase trabecular bone area highly without changing hormone level in body and untoward effects on hematopoietic function and immune system. [1]

[ Solvent ]
Pyridine, Methanol, Ethanol, etc.

[ HPLC Method ][2]
Mobile phase: 0.5 % Ortophosphoric acid H2O in methanol- 0.5 % Ortophosphoric acid H2O in acetonitrile, gradient elution ;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 350 nm.

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

[ References ]

[ Contact ]
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