

Gymnemic acid I Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Gymnemic acid I

Catalog No.: CFN90538

Cas No.: 122168-40-5

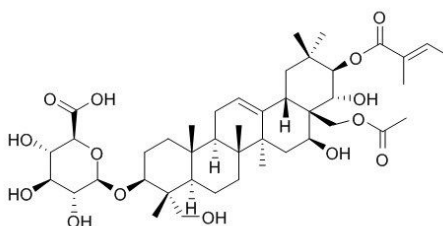
Purity: >98%

M.F: C₄₃H₆₆O₁₄

M.W: 806.97

Physical Description: Powder

Synonyms:



[Intended Use]

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

[Source]

The herbs of *Gymnema sylvestre* (Retz.) Schult.

[Biological Activity or Inhibitors]

Gymnemic acids have been reported to effect a natural treatment for diabetes.^[1]

Gymnemic acids inhibit rabbit glyceraldehyde-3-phosphate dehydrogenase and induce a smearing of its electrophoretic band and dephosphorylation.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[1]

Mobile phase: 80% Acetonitrile in water-0.1%KH₂PO₄ in water,gradient elution ;

Flow rate: 1.5 ml/min;

Column temperature: 40 °C;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1]Devi C S, Nandi I, Srinivasan V M, *et al. Int. J. Pharm. Pharmaceut.Sci.*, 2012, 7(4):162-7.

[2]Izutani Y, Murai T, Imoto T, *et al. Febs Lett.*, 2005, 579(20):4333-6.

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