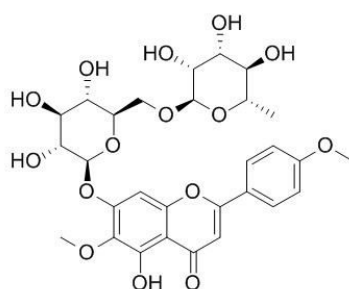


Pectolinarin Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Pectolinarin**Catalog No.:** CFN99727**Cas No.:** 28978-02-1**Purity:** >=98%**M.F:** C₂₉H₃₄O₁₅**M.W:** 622.57**Physical Description:** Yellow powder**Synonyms:** 4H-1-Benzopyran-4-one,7-[[6-O-(6-deoxy- α -L-**5-Hydroxy-6-methoxy-2-(4-methoxyphenyl)-;7-[(6-O- α -L-Rhamnopyranosyl--D-glucopyr
-anosyl)oxy]-5-hydroxy-4',6-dimethoxyflavone.****[Intended Use]**

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

[Source]The herbs of *Cirsium japonicum* DC.

[Biological Activity or Inhibitors]

Pectolinarin, and its aglycone, pectolinarigenin, for 2 weeks can significantly decrease the activity levels of AST, ALT, ALP and LDH, indicating that the two compounds have hepatoprotective activity; they also can increase activity levels of GSH, GR, GCS, and GST, as well as SOD, suggests that they exhibit hepatoprotective activity mainly via antioxidant mechanism.^[1]

Pectolinarin and pectolinarigenin possess anti-inflammatory activity and that they may inhibit eicosanoid formation in inflammatory lesions.^[2]

Pectolinarin exerts analgesic effect .^[3]

Pectolinarin-enriched *Cirsium setidens* extracts can be considered as a good source of natural antioxidants and antiobesity ingredients.^[4]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[5]

Mobile phase: Acetonitrile-H₂O ,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Yoo Y M, Nam J H, Kim M Y, *et al. Biol. Pharm. Bul.*, 2008, 31(4):760-4.

[2] Lim H, Son K H, Chang H W, *et al. Biol. Pharm. Bull.*, 2008, 31(11):2063-7.

[3] Martínez-Vázquez M, Ramírez Apan T O, Lastra A L, *et al. Planta Med.*, 1998, 64(2):134-7.

[4] Lee Y J, Lee J H, Kim Y H, *et al. Food Sci. Biotech.*, 2015, 24(6):2235-43.

[5] Cho S, Lee J, Lee Y K, *et al. J. Appl. Biol. Chem.*, 2016, 59(2):107-12.

[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