

Cimiracemoside C Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cimiracemoside C

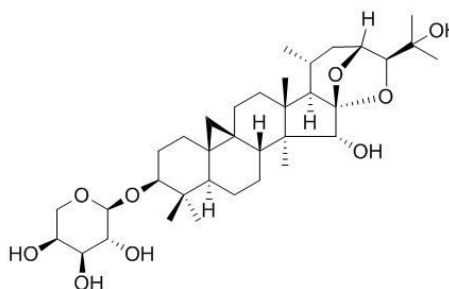
Catalog No.: CFN98288

Cas No.: 256925-92-5

Purity: >=98%

M.F: C₃₅H₅₆O₉

M.W: 620.8



Physical Description: Powder

Synonyms: Cimigenol 3-O-alpha-L-arabinopyranoside;

Cimigenol 3-O-alpha-L-arabinoside.

[Intended Use]

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

[Source]

The roots of *Cimicifuga foetida* L.

[Biological Activity or Inhibitors]

The Cimicifuga racemosa extract Ze 450 and some of its components (23-epi-26-deoxyactein, protopine and cimracemoside C) can reduce significantly body weight, plasma glucose, improve glucose metabolism and insulin sensitivity in diabetic ob/ob mice; suggests that part of the effects may be related to AMPK activation. Ze 450 may have utility in the treatment of type 2 diabetes.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: 0.1% Acetic acid in water- Acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Moser C, Vickers S P, Brammer R, *et al. Phytomed. Int. J. Phytother. Phytopharm.*, 2014, 21(11):1382-9.

[2] Jiang B, Kronenberg F, Nuntanakorn P, *et al. J. Agr. Food Chem.*, 2006, 54(9):3242-53.

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