

Carlinoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Carlinoside

Catalog No.: CFN90720

Cas No.: 59952-97-5

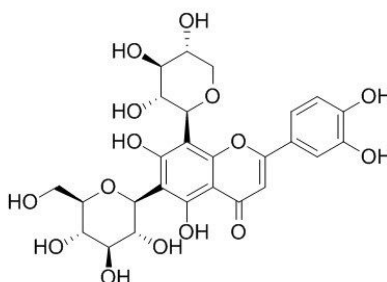
Purity: >=98%

M.F: C₂₆H₂₈O₁₅

M.W: 580.49

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 *Lespedeza bicolor Turcz.*

[Biological Activity or Inhibitors]

Carlinoside, a flavone glycoside from *Cajanus cajan* (Linn.) leaves, can reduce hepatic

bilirubin accumulation by stimulating bilirubin-UGT activity through Nrf2 gene expression, is an anti-hepatitic compound.^[1,2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Methanol-5% Aqueous formic acid, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Das S, Mukherjee S, Kundu R, *et al. Curr.Sci.*, 2016, 110(11):2148-54.

[2] Kundu R, Dasgupta S, Biswas A, *et al. Biochem. Pharmacol.*, 2011, 82(9):1186-97.

[3] Costa G, Nunes F, Vitorino C, *et al. Res. J. Med. Plant*, 2014, 42(1):71-7.

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