



6"-O-Malonylgenistin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 6"-O-Malonylgenistin

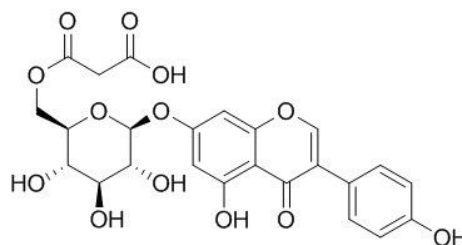
Catalog No.: CFN90631

Cas No.: 51011-05-3

Purity: > 98%

M.F: C₂₄H₂₂O₁₃

M.W: 518.42



Physical Description: Powder

Synonyms: 7-[[6-O-(Carboxyacetyl)--D-glucopyranosyl]oxy]-5-hydroxy-3-(4-hydroxyphenyl)-4H-1-benzopyran-4-one; 7-O-Glucosyl-6"-Malonyl Genistein; Genistin malonate.

[Intended Use]

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

[Source]

The seeds of *Glycine max* (L.) Merr.

[Biological Activity or Inhibitors]

6"-O-Malonylgenistin is one isoflavonoid, possesses a hepatoprotective activity.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

HPLC-ESI-MS:

Mobile phase: Acetonitrile-0.05% Acetic acid H₂O, gradient elution;

Flow rate: 0.6 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 260 nm;

The spray voltage: 4.5 kV;

Capillary temperature : 270 °C;

Flow rate of sheath gas:9.0 L/min;

Flow rate of auxiliary gas:1.5 L/min.

[Storage]

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

[References]

[1] Fedoreyev S A, Bulgakov V P, Grishchenko O V, *et al J. Agr. Food Chem.*, 2008, 56(16):7023-31.

[2] Qu D J, Wang J Y, Wang J P, *et al. Modern Food Science & Technology*, 2013(4): 863-6.

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