

Scandoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Scandoside

Catalog No.: CFN92535

Cas No.: 18842-99-4

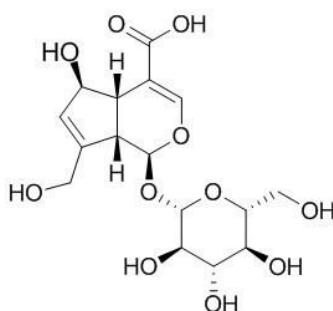
Purity: > 95%

M.F: C₁₆H₂₂O₁₁

M.W: 390.34

Physical Description: Powder

Synonyms: (1S,4aS,5R,7aS)-1-(β-D-glucopyranosyloxy)-5-hydroxy-7-(hydroxymethyl)-1,4a,5,7a-tetrahydrocyclopenta[c]pyran-4-carboxylic acid.



[Intended Use]

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

[Source]

The herbs of *Paederia scandens* (Lour.) Merr.

[Biological Activity or Inhibitors]

Scandoside can inhibit LDL-oxidation, and show 62.2+/-1.6% inhibition at a concentration of 20 microg/mL.^[1]

Scandoside displays a promoting activity towards the growth of lettuce seedlings.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: H₂O- Acetonitrile=93:7;

Flow rate: 0.8 ml/min;

Column temperature: 35 °C;

The wave length of determination: 238 nm.

[Storage]

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

[References]

[1] Kim D H, Lee H J, Oh Y J, *et al. Arch. Pharm. Res.*, 2005, 28(10):1156-60.

[2] Komai K, Omori S, Shimizu M, *et al. Journal of Weed Science & Technology*, 1993, 38(2):97-102.

[3] Li J, Zhou G, Li C, *et al. China Journal of Chinese Materia Medica*, 2009, 34(20): 2619-21.

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