

Ombuoside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ombuoside

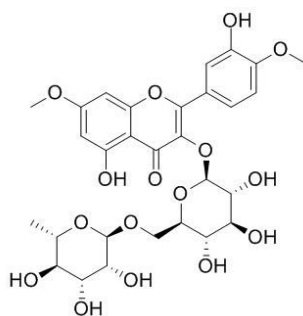
Catalog No.: CFN92808

Cas No.: 20188-85-6

Purity: >95%

M.F: C₂₉H₃₄O₁₆

M.W: 638.57



Physical Description: Yellow powder

Synonyms: 3-[[6-O-(6-Deoxy- α -L-mannopyranosyl)- β -D-glucopyranosyl]oxy]-3',5-dihydroxy-4',7-dimethoxyflavone;Ombuin-3beta-rutinoside.

[Intended Use]

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

[Source]

The herbs of *Scutellaria barbata* D. Don.

[Biological Activity or Inhibitors]

Ombuoside has antibacterial and antifungal activities against several strains of Gram-positive and Gram-negative bacteria and the yeast *Candida albicans*.^[1]

Ombuoside has antioxidant ability, making it promising substances to be investigated as water-soluble protectors against lipid peroxidation and other free radical-mediated cell injury.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 245 nm.

[Storage]

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

[References]

[1] Amaroluis J M, Adrián M, Díaz C. *Annales Pharmaceutiques Françaises*, 1997, 55(6):262-8.

[2] Fraga C G, Martino V S, Ferraro G E, *et al. Biochem.Pharmacol.*, 1987, 36(5):717-20.

[3] Su Y P, Ju S K, Lee S Y, *et al. Nat. Prod. Sci.*, 2008, 14(4):281-8.

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