

Ombuin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ombuin

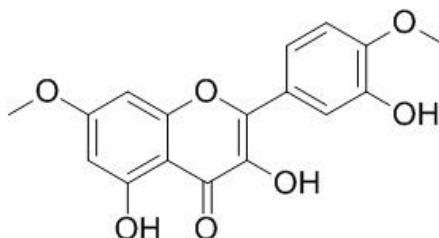
Catalog No.: CFN98876

Cas No.: 529-40-8

Purity: > 95%

M.F: C₁₇H₁₄O₇

M.W: 374.34



Physical Description: Yellow powder

Synonyms: Quercetin-7,4'-dimethyl ether;3,3',5-Trihydroxy-4',7-dimethoxyflavone;

3,5-dihydroxy-2-(3-hydroxy-4-methoxyphenyl)-7-methoxy-4h-1-benzopyran-4-on.

[Intended Use]

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

[Source]

The heartwood of *Caesalpinia sappan* L.

[Biological Activity or Inhibitors]

Ombuin can significantly and dose dependently inhibit lipopolysaccharide (LPS) and interferon (IFN)-gamma induced nitric oxide (NO), and cytokines [tumor necrosis factor (TNF)-alpha and interleukin (IL)-12], suggests that it has anti-inflammatory activity.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: CCl₄ - Methanol -H₂O=80:20:10;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 255 nm.

[Storage]

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

[References]

[1] Rao Y K, Fang S H, Tzeng Y M. *Phytother. Res.*, 2008, 22(7):957-62.

[2] Ding J N. *Jianxi Science* , 1996,14,4:223-7.

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