

Isomucronulatol Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Isomucronulatol

Catalog No.: CFN90839

Cas No.: 52250-35-8

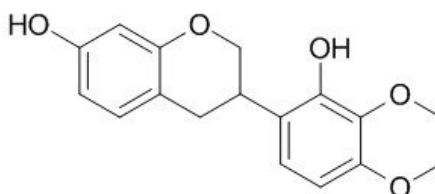
Purity: > 95%

M.F: C₁₇H₁₈O₅

M.W: 302.3

Physical Description: Powder

Synonyms: 3-(2-Hydroxy-3,4-dimethoxyphenyl)-3,4-dihydro-2H-chromen-7-ol ; 3-(2-Hydroxy-3,4-dimethoxyphenyl)-7-chromanol.



[Intended Use]

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

[Source]

The roots of *Astragalus membranaceus*.

[Biological Activity or Inhibitors]

Isoliquiritigenin and liquiritigenin exhibit significant inhibitory effects on LPS-induced IL-6 and IL-12 p40 production, with IC₅₀ values ranging from 2.7 to 6.102uM, isoliquiritigenin also shows a moderate inhibitory effect on LPS-stimulated production of TNF- α with an IC₅₀ value of 20.102 uM, they have potential anti-inflammatory effects .^[1]

Isomucronulatol exhibits noticeable ABTS+ scavenging activity, it exhibits moderate inhibition against butyrylcholinesterase.^[2]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] Li W, Sun Y N, Yan X T, *et al. Arch. Pharm. Res.* 2014, 37(2):186-92.

[2] Öztürk M, Kolak U, Topçu G, *et al. Food Chem.* 2011, 126(1):31-8.

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