

Koaburaside Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Koaburaside

Catalog No.: CFN98654

Cas No.: 41653-73-0

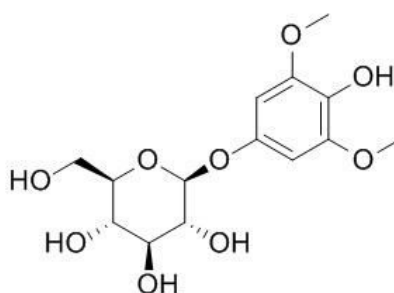
Purity: > 95%

M.F: C₁₄H₂₀O₉

M.W: 332.3

Physical Description: Powder

Synonyms: (-)-3,5-Dimethoxy-4-hydroxyphenyl beta-D-glucopyranoside.



[Intended Use]

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

[Source]

The herbs of *Croton cascarilloides*.

[Biological Activity or Inhibitors]

Koaburaside can suppress histamine release from mast cells, it may have anti-allergic

inflammatory activity.^[1]

koaburaside exhibits antioxidant activity with an IC₅₀ value of 9.0μM, it shows weak inhibitory activity against influenza A neuraminidase.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O=28:72 ;

Flow rate: 8.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 203 nm.

[Storage]

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

[References]

[1] Choi H G, Lee H D, Kim S H, *et al. Nat. Prod. Commun.*, 2013, 8(8):181-2.

[2] He Y, Zhang L, Zhao M, *et al. J. Asian Nat. Prod. Res.*, 2011, 13(6):575-80.

[3] Wen Q, Lin X, Liu Y, *et al. Molecules*, 2012, 17(10):12330-40.

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