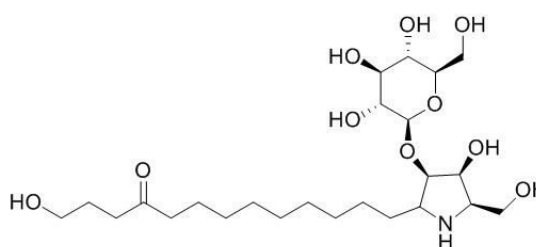


Broussonetine A Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Broussonetine A**Catalog No.:** CFN90372**Cas No.:** 173220-07-0**Purity:** >=98%**M.F:** C₂₄H₄₅NO₁₀**M.W:** 507.62**Physical Description:** Powder**Synonyms:** (3R,4S,5R)-4-Hydroxy-5-(hydroxymethyl)-2-(13-hydroxy-10-oxotridecyl)pyrrolidin-3-yl beta-D-glucopyranoside.

[Intended Use]

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

[Source]

The branch of *Broussonetia papyrifera*.

[Biological Activity or Inhibitors]

Broussonetines A-H are glycosidase inhibitors.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[1]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 1.5 ml/min;

Column temperature: 40 °C;

The wave length of determination: 254 nm.

[Storage]

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

[References]

[1] Shibano M, Nakamura S, Motoya N, *et al. Chem. Pharm. Bull.*, 1999, 47(4) 472-6.

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