

Rebaudioside A Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Rebaudioside A

Catalog No.: CFN99110

Cas No.: 58543-16-1

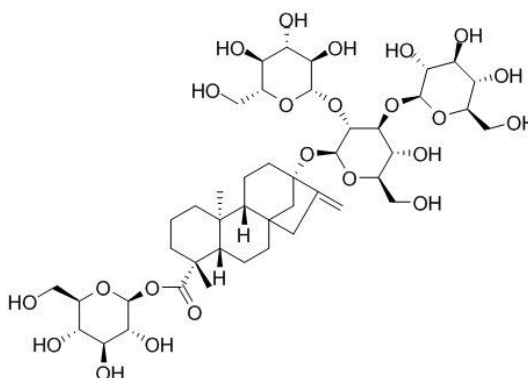
Purity: >=98%

M.F: C₄₄H₇₀O₂₃

M.W: 967.01

Physical Description: Powder

Synonyms: 19-O-beta-glucopyranosyl-13-O-(beta-glucopyranosyl(1-2)-beta-glucopyranosyl(1-3))-beta-glucopyranosyl-13-hydroxykaur-16-en-19-oic acid.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Care and daily chemicals;
7. Intermediates & Fine Chemicals;
8. Ingredient in supplements, beverages;
9. Dairy products & desserts;
10. Others.

[Source]

The leaves of *Stevia rebaudiana* Bertoni.

[Biological Activity or Inhibitors]

Rebaudioside-A and stevioside are major low-calorie diterpene steviol glycosides in the leaves of *Stevia rebaudiana*, they are widely used as natural sweeteners for diabetic patients.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O(adjust to pH 3.0 with Phosphoric acid)=80:20;

Flow rate: 1.0 ml/min;

Column temperature: 27 °C;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Jaitak V, Bikram S B, Kaul V K. *Phytochem. Anal.*, 2009, 20(3):240-5.

[2] Afandi A, Sarijan S, Shaha R K. *Journal of Tropical Resources & Sustainable Sciences*, 2013,1(1):62-70.

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