

Benzoylaconine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Benzoylaconine

Catalog No.: CFN98577

CAS No.: 466-24-0

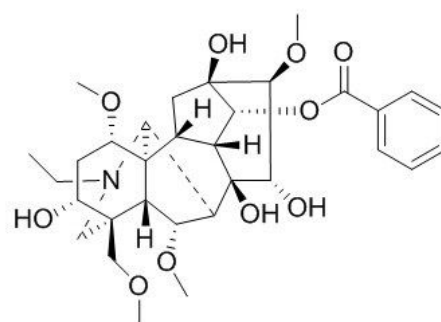
Purity: 98%

M.F: C₃₂H₄₅NO₁₀

M.W: 603.7

Physical Description: Powder

Synonyms: Benzoyl jesaconine; Picraconitine.



[Intended Use]

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

[Source]

The branch root of *Aconitum carmichaeli* Debx.

[Biological Activity or Inhibitors]

Benzoylaconine and aconitine can induce reproductive toxicity in BeWo Cell, the amino acid metabolism was the main metabolic pathway and responsible for the placental and fetal toxicity of them.^[1]

[Solvent]

Pyridine, DMSO, Methanol.

[HPLC Method]^[2]

Mobile phase: Acetonitrile:Tetrahydrofuran(25:8)-0.1 M Ammonium acetate solution, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 235 nm.

[Storage]

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

[References]

[1] Xie H H, Xie T, Jian-Ya X U, *et al. Chinese J. Anal. Chem.*, 2015, 43(12):1808-13.

[2] Li M Y, Kiyoshi He, Wang A W. *Chinese J. Inform. Trad. Chinese Med.*, 2015 (09): 87-90.

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