

Echimidine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Echimidine

Catalog No.: CFN00254

Cas No.: 520-68-3

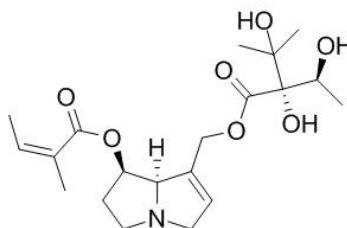
Purity: >95%

M.F: C₂₀H₃₁NO₇

M.W: 397.47

Physical Description: Powder

Synonyms: 7-Angelyl-9-echimidinylretronecine.



[Intended Use]

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

[Source]

The herbs of *Echium plantagineum* L.

[Biological Activity or Inhibitors]

Echimidine, a major hepatotoxic dehydropyrrolizidine alkaloid produced by *E.*

plantagineum, in the honey (780 ng/g) and in the subsequent mead samples (236 – 540 ng/mL) .^[1]

Echimidine-N-Oxide has antifungal activity.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol-15mM of Ammonia in acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 220 nm.

[Storage]

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

[References]

[1] Cao Y, Colegate S M, Edgar J A. *J.Food Compos. Anal.*, 2013, 29(2):106-9.

[2] Kartal M, Kurucu S, Choudary M I. *Turk. J. Med. Sci.*, 2001, 31(6):487-92.

[3] Mroczek T, Ndjoko K, Główniak K, *et al. J. Chromatogr. A*, 2004, 1056(1-2):91-7.

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