

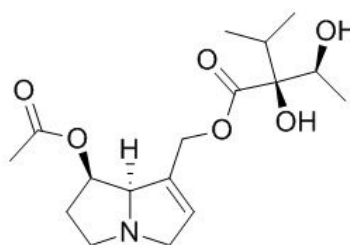
7-Acetyllycopsamine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 7-Acetyllycopsamine**Catalog No.:** CFN00288**Cas No.:** 73544-48-6**Purity:** > 95%**M.F:** C₁₇H₂₇NO₆**M.W:** 341.40**Physical Description:** Powder

Synonyms: [(1R,7aR)-1-(acetyloxy)-2,3,5,7a-tetrahydro-1H-pyrrolizin-7-yl]methyl(2S,3S)-2,3-dihydroxy-2-(propan-2-yl)butanoate; Butanoic-acid,2,3-dihydroxy-2-(1-methylethyl)-,((1R,7aR)-1-(acetyloxy)-2,3,5,7a-tetrahydro-1H-pyrrolizin-7-yl)methylester,(2S,3S)-.



[Intended Use]

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

[Source]

The herbs of *Eupatorium maculatum*.

[Biological Activity or Inhibitors]

7-Acetylycopsamine, 7-acetylintermedine, and symlandine are pyrrolizidine alkaloids, isolated from comfrey, can produce hepatotoxicity in livestock and humans and carcinogenicity in experimental animals.^[1]

7-Acetylycopsamine exhibits antibacterial effects with a MIC of 1.7 mg/ml in *E. coli*.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile- 15mM Ammonia solution ,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] Mei N, Guo L, Fu PP, *et al. J.Toxicol. Env. Heal. B*, 2010, 13(7-8):509-26.

[2] El-Shazly A, Abdel-All M, Tei A, *et al. Zeitschrift für Naturforschung C*, 1999, 54(5-6): 295-300.

[3] Mroczek T, Ndjoko-loset K, Głowniak K, *et al. Anal. Chim. Acta*, 2006, 566(2):157-66.

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