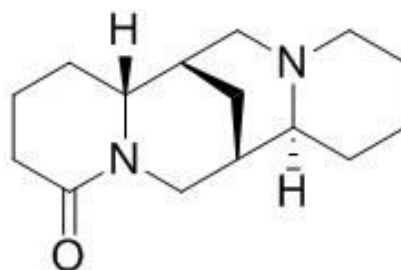


Lupanine Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Lupanine**Catalog No.:** CFN98924**Cas No.:** 550-90-3**Purity:** > 98%**M.F:** C₁₅H₂₄N₂O**M.W:** 248.4**Physical Description:** Powder

Synonyms: (7aβ,14α)-Dodecahydro-7α,14α-methano-4H,6H-dipyrido[1,2-a:1',2'-e][1,5] diazocin-4-one; 2-Oxosparteine; d-Lupanine; 2-Oxo-11-sparteine; Dilupanine; Trilupine; Hydrorhombinine; Tetrahydranagyrine.

**[Intended Use]**

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

[Source]The herbs of *Cytisus scoparius*.

[Biological Activity or Inhibitors]

Lupanine and lupin extract are less toxic than sparteine and they have a weak sedative effect on the central nervous system (CNS).^[1]

Lupanine improves glucose homeostasis by influencing KATP-channels of pancreatic beta cells.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile-0.1%Phosphoric acid H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Pothier J, Cheav S L, Galand N, *et al. J. Pharm. Pharmacol.*, 1998, 50(8):949-54.

[2] Wiedemann M, Garcia-Lopez P, Wink M, *et al. Molecules*, 2015, 20:19085-100.

[3] Li Y, Wu H, Wang Z T, *et al. Chinese Pharmaceutical Journal*, 2009, 44 (10): 784-6.

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