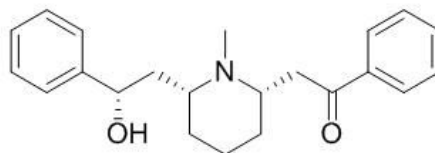


Lobelin Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Lobelin**Catalog No.:** CFN00445**Cas No.:** 90-69-7**Purity:** > 95%**M.F:** C₂₂H₂₇NO₂**M.W:** 337.46**Physical Description:** Powder**Synonyms:**2-[6-(2-hydroxy-2-phenylethyl)-1-methylpiperidin-2-yl]-1-phenylethanone;

Ethanone, 2-[(2R,6S)-6-[(2S)-2-hydroxy-2-phenylethyl]-1-methyl-2-piperidiny]-1-phenyl-;

Lobeline.

**[Intended Use]**

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

[Source]The herbs of *Lobelia sessilifolia* Lamb.

[Biological Activity or Inhibitors]

Lobelin, the chief alkaloid of *Lobelia inflata*, is a respiratory stimulant, which enhances and accelerates the respiratory movements, it has been used in asthma, gas poisoning, and narcotic poisoning; lobeline is currently the subject of renewed interest for the treatment of drug abuse and neurological disorders, like Alzheimer's or Parkinson's disease, which pose an important public health problem in industrial countries, lobeline is a competitive nicotinic receptor antagonist and is still commercialized in antismoking preparations.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: 0.05 M Potassium dihydrogen phosphate solution (adjusted to pH 3.0 with phosphoric acid) - Methanol =55:45 ;

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] Prof. Éva Szőke, Éva Lemberkovics, Kursinszki L. *Nat. Prod.*, 2013:303-41.

[2] Xia R, Dai H, Che B Q, *et al. Drug Standards Of China*, 2009, 10(1):46-50.

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