

Galantamine Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Galantamine

Catalog No.: CFN90743

Cas No.: 357-70-0

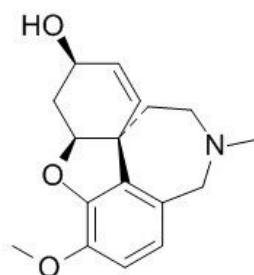
Purity: >=98%

M.F: C₁₇H₂₁NO₃

M.W: 287.35

Physical Description: Powder

Synonyms: (4aS,6R,8aS)-4a,5,9,10,11,12-Hexahydro-3-methoxy-11-methyl-6H-benzofuro[3a,3,2-ef][2]benzazepin-6-ol.



[Intended Use]

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

[Source]

The bulbs of *Lycoris radiata*.

[Biological Activity or Inhibitors]

Galantamine is a reversible, competitive cholinesterase inhibitor that also allosterically modulates nicotinic acetylcholine receptors, it can significantly improve cognition and global function.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Phosphate buffer (pH 6.3)- Acetonitrile =60:40 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 285 nm.

[Storage]

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

[References]

[1] Raskind M A. *Neurology*, 2000, 54(12):2261-8.

[2] Nagamallika G., Arunadevi Dr. *Indo Am. J. Pharm. Res.* 2013; 3(8): 6285-90

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