

Berbamine hydrochloride Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Berbamine hydrochloride

Catalog No.: CFN90254

Cas No.: 6078-17-7

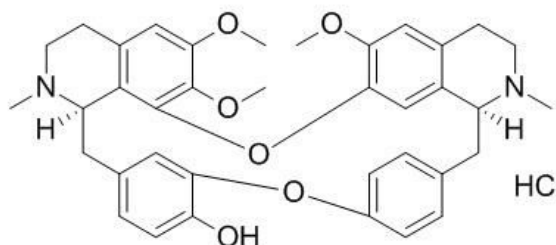
Purity: >=98%

M.F: C₃₇H₄₂Cl₂N₂O₅

M.W: 665.65

Physical Description: Powder

Synonyms: 6,6',7-Trimethoxy-2,2'-dimethylberbaman-12-ol dihydrochloride; Berbamine 2HCl.



[Intended Use]

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

[Source]

The roots of *Cocculus orbiculatus* (L.) DC.

[Biological Activity or Inhibitors]

Berberamine hydrochloride has hypotensive activity, which is based on its action on central nervous system and dilatation of blood vessels.^[1]

Berberamine hydrochloride has shown to markedly delay the onset of ouabain (guinea pig), aconitine (rats) and CaCl_2 (mice) induced arrhythmias, elevate the fibrillogenic threshold in rabbits and to counteract the coronary artery ligation-induced arrhythmias in anaesthetized rats.^[2]

Berberamine hydrochloride has marked inhibitory effect on platelet aggregation induced by ADP in rabbits, it also has antithrombotic effect in rats.^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Acetonitrile- H_2O =25:75;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 282 nm.

[Storage]

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

[References]

[1] Zhou Z, Han C, Wang P. *Yao Xue Xue Bao*, 1980 Apr; 15(4):248-50.

[2] Yang B F, Wang X H, Li Y, *et al.* *Yao Xue Xue Bao*, 1987 Sep; 22(9):700-3.

[3] Li Y X, Gao Y R, Zhang Y C, *et al.* *Journal of Harbin Medical University*, 1986(3).

[4] Qian C, Chen X, Li T, *et al.* *Northwest Pharmaceutical Journal*, 1996, 11(1):3-5.

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