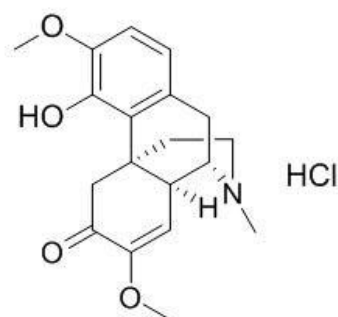


Sinomenine HCl Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Sinomenine HCl**Catalog No.:** CFN99561**Cas No.:** 17020-04-1**Purity:** >=98%**M.F:** C₁₉H₂₃NO₄.HCl**M.W:** 365.85**Physical Description:** White powder**Synonyms:** Sinomenine Hydrochloride.**[Intended Use]**

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

[Source]The herbs of *Sinomenium acutum* Rehd. Et Wils.**[Biological Activity or Inhibitors]**Sinomenine hydrochloride has antiarrhythmic effects.^[1]

The combined use of sinomenine hydrochloride and anti-TfR mAb may exert synergistic inhibitory effects on human hepatoma HepG2 cells in a COX-2-dependent manner.^[2]

Sinomenine hydrochloride induces breast cancer cell death through ROS-dependent and -independent pathways with an upregulation of MAPKs, indicates that it may be a potential anti-tumor drug for breast cancer treatment.^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

Mobile phase: Acetonitrile--0.01 M Sodium phosphate monobasic--N, N, N', N'-tetramethylenediamine =46:54:0.22 (pH 6.9);

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 263 nm.

[Storage]

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

[References]

[1] Zhao D H, Yang X M, Li Z B, *et al. Acta Pharmaceutica Sinica*, 1985, 20(11):856-8.

[2] Hong Y, Yang J, Shen X, *et al. Cancer Immunol.Immunother.*,2013,62(3):447-54.

[3] Li X, Wang K, Ren Y, *et al. Cell Death & Disease*, 2014, 5(7):e1356.

[4] Xie Y C, Zhu Q F, Fan Z Y, *et al. Chinese Pharmaceutical Journal* ,2005,39 (1):54-5.

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