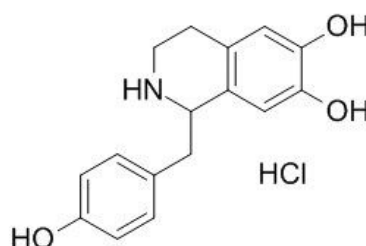


Higenamine HCl Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Higenamine HCl**Catalog No.:** CFN90698**Cas No.:** 11041-94-4**Purity:** >=98%**M.F:** C₁₆H₁₈ClNO₃**M.W:** 307.77**Physical Description:** Powder

Synonyms: (+-)-Demethylcoclaurine hydrochloride; Higenamine hydrochloride; (+-)-1,2,3,4-Tetrahydro-1-((4-hydroxyphenyl)methyl)-6,7-isoquinolinediol hydrochloride; Norcoclaurine HCl; Demethyl.

**[Intended Use]**

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

[Source]The roots of *Aconitum carmichaeli* Debx.

[Biological Activity or Inhibitors]

Higenamine Hydrochloride(HG) can be used as a drug for stress myocardial perfusion imaging(MPI) and stress electrocardiogram(ECG) to diagnose coronary heart disease(CHD) while the specificity of stress MPI is higher than that of stress ECG.^[1]

Higenamine hydrochloride is an anti-anginal drug, has remarkable tolerability and safety.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile- 0.05 mM Ammonium acetate solution (pH adjusted to 3.5 with glacial acetic acid), gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 284 nm.

[Storage]

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

[References]

[1] Cao Y, Shao G Q, Zhang L L, *et al. China Medical Devices*, 2014(10):104-7.

[2] Du Y R, Li F, Xu R Y, *et al. Chinese Journal of Clinical Pharmacology*, 2007, 23(4):258-60.

[3] Jiang C L, Zhu C L, Zhang W, *et al. Yiyao Qianyan.*, 2015, 5(28).

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