

Stachydrine hydrochloride Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Stachydrine hydrochloride

Catalog No.: CFN98506

Cas No.: 4136-37-2

Purity: >=98%

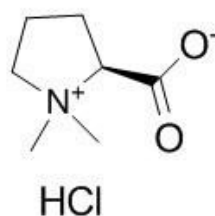
M.F: C₇H₁₄ClNO₂

M.W: 179.64

Physical Description: Powder

Synonyms: (S)-2-Carboxy-1,1-dimethylpyrrolidinium chloride;

1,1-Dimethylpyrrolidinium-2-carboxylate hydrochloride.



[Intended Use]

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

[Source]

The flower of *Chrysanthemum parthenium*.

[Biological Activity or Inhibitors]

The Th1/Th2/Th17/Treg paradigm plays an important role in achieving maternal-fetal immunotolerance and participates in RU486-induced abortion, stachydrine hydrochloride has immunopharmacologic effects on inducing the Th1/Th2/Th17/Treg paradigm in reducing the uterine bleeding volume in RU486-induced abortion mice.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: 15 mM Potassium dihydrogen phosphate(containing 0.04%triethylamine and 0.15%phosphoric acid) ;

Flow rate: 1.0 ml/min;

Column temperature: 22 °C;

The wave length of determination: 192 nm.

[Storage]

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

[References]

[1] Li X, Wang B, Li Y, *et al. J. Ethnopharmacol.*, 2013, 145(1):241-53.

[2] Wang Q, Lv J. *Chinese Journal of Pharmaceutical Analysis*, 2010(4):710-2.

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