Natural Products

Ligustrazine Hydrochloride Datasheet


[ Product Information ]

Name: Ligustrazine Hydrochloride
Catalog No.: CFN99910
Cas No.: 76494-51-4
Purity: >=98%
M.F: C₈H₁₂N₂.HCl
M.W: 208.69
Physical Description: White powder
Synonyms: 2,3,5,6-Tetramethylpyrazine hydrochloride; Pyrazine, tetramethyl-
hydrochloride.

[ Intended Use ]

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

[ Source ]

The rhizomes of Ligusticum chuanxiong Hort.

[ Biological Activity or Inhibitors ]
Ligustrazine Hydrochloride has certain protection effect on the vascular endothelium undergoing cardiopulmonary bypass (CPB), and lower excessive activation of coagulation reaction and inflammation reaction in patients undergoing CPB.[1]

Ligustrazine hydrochloride can inhibit the activation of humai platelet following severe brain injury, improve the balance of TXA2 - PGI2 within the circulatory blood, suggests that it may be used as one of the agents to treat brain injury.[2]

Ligustrazine Hydrochloride can exert down-regulate effects on Colon26 secretion of immunosuppressors and its tumor immunosuppression, one of the mechanisms is reducing tumor immunosuppression of Colon26 through decreasing its secretion of immunosuppressors. [3]

Ligustrazine hydrochloride injection has antithrombotic effect on the model of induced arteriovenous shunt thrombosis.[4]

[ Solvent ]
Pyridine, Methanol, Ethanol, etc.

[ HPLC Method ][5]
Mobile phase: Methanol-1% Aqueous acetic acid=46:54;
Flow rate: 1.0 ml/min;
Column temperature: 30 ℃;
The wave length of determination: 293 nm.

[ Storage ]
2-8℃, Protected from air and light, refrigerate or freeze.

[ References ]


[ Contact ]

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