

Lycorine chloride Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Lycorine chloride

Catalog No.: CFN99730

Cas No.: 18797-80-3

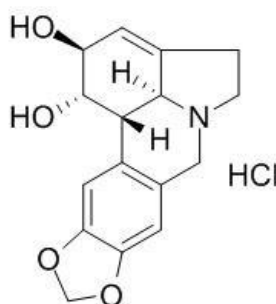
Purity: >=98%

M.F: C₁₆H₁₇NO₄Cl

M.W: 323.78

Physical Description: White powder

Synonyms: Lycorine hydrochloride.



[Intended Use]

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

[Source]

The bulbus of *Lycoris radiata* (L. Herit.) Herb.

[Biological Activity or Inhibitors]

Lycorine hydrochloride inhibits melanoma C8161 cell-dominant vasculogenic mimicry by reducing VE-cadherin gene expression and diminishing cell surface exposure of the protein.^[1]

Lycorine hydrochloride selectively inhibits ovarian cancer cell proliferation and neovascularization and is a potential drug candidate for anti-ovarian cancer therapy.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: (10 mM NH₄HCO₃-Methanol=97.5:2.5)-(10 mM NH₄HCO₃-Methanol=2.5:97.5), gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] Liu R, Cao Z, Tu J, *et al. Pigment Cell Melanoma Res*, 2012,25(5):630-8.

[2] Cao Z. *Toxicol. Lett.*, 2013, 218(2):174-85.

[3] Wahyuni D S, Van d K F, Klinkhamer P G, *et al. Molecules*, 2013,18(4):4510-25.

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