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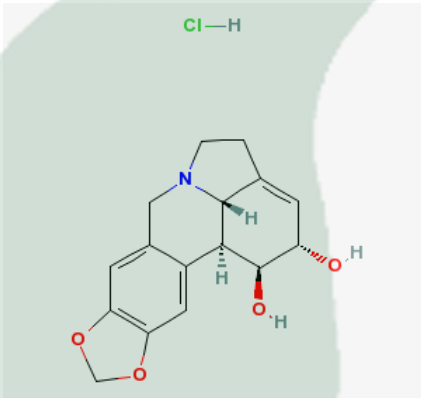
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|                |                                        |                                                                                                        |
|----------------|----------------------------------------|--------------------------------------------------------------------------------------------------------|
| PRODUCT ID     | E-0241                                 | <b>Structure</b><br> |
| PRODUCT        | Lycorine hydrochloride /盐酸石蒜碱          |                                                                                                        |
| STANDARD TYPE  | Quantitative Reference Material (含量测定) |                                                                                                        |
| LOT NUMBER     | 16012936                               |                                                                                                        |
| ASSAY METHOD   | HPLC,MS,NMR                            |                                                                                                        |
| DATE OF SAMPLE | 2016-01-29                             |                                                                                                        |
| DATE OF REPORT | 2016-01-29                             |                                                                                                        |

CHEMICAL NAME

Galanthan-1,2-diol, 3-12-didehydro-9,10-(methylenebis(oxy))-, hydrochloride, (1- $\alpha$ ,2- $\beta$ )-

OTHER NAME

CHEMICAL FORMULA

C<sub>16</sub>H<sub>18</sub>ClNO<sub>4</sub>

MOLECULAR WEIGHT(MW)

323.77142

CAS NUMBER

2188-68-3

CHEMICAL FAMILY

Alkaloids生物碱类

FROM

石蒜科石蒜属植物石蒜Lycoris radiata (L. Herit.) Herb

ANALYTICAL RESULT

| TEST             | METHOD         | SPECIFICATION    | RESULT   |
|------------------|----------------|------------------|----------|
| HPLC             | Q/TFFK261—2007 | NLT $\geq$ 98.0% | Conforms |
| NMR              |                | Conforms         | Conforms |
| MS               |                | Conforms         | Conforms |
| Residual Solvent | Q/TFFK261—2007 | NA               | ND       |
| Water            | Q/TFFK261—2007 | $\leq$ 2%        | Conforms |
| Appearance       |                | White Powder     | Conforms |

STORAGE CONDITIONS

STORAGE

Refer to the label

SHELF LIFE

2 Years

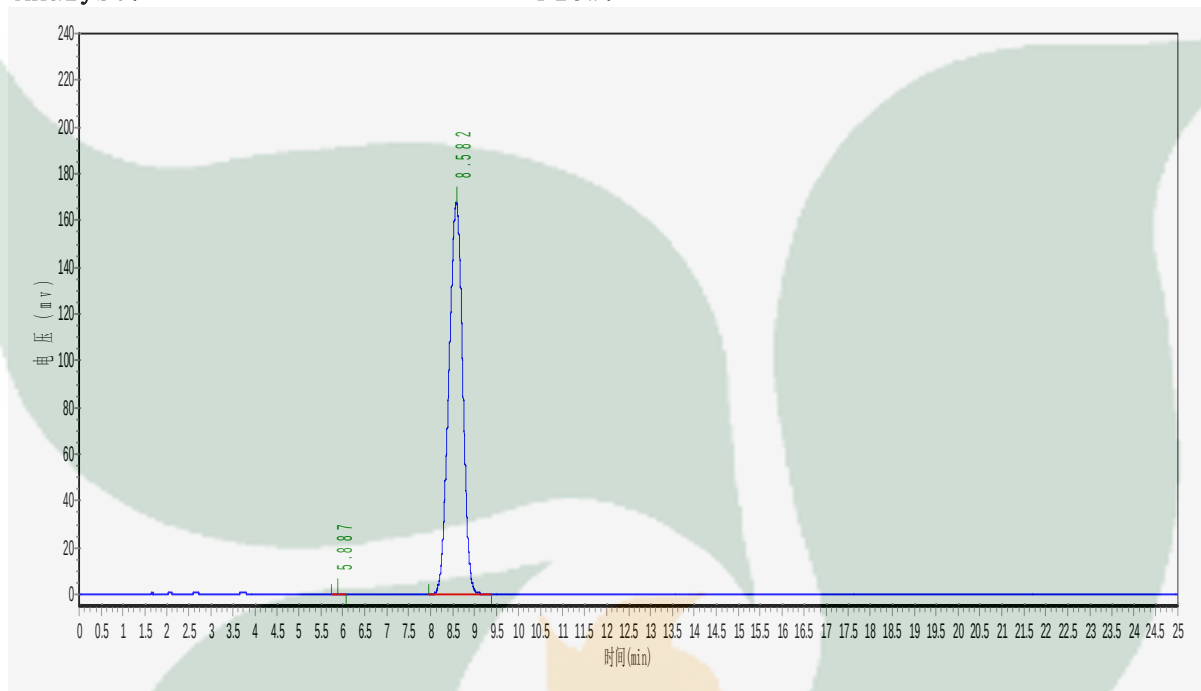
Analyst

Checker

Manager

# Product Analysis Report

Product Name: Lycorine hydrochloride Chrom-Column: C18  
Lot Number: 16012936 Mobile Phase: MeOH:0.05%TEA (40:60)  
Detector: UV Wavelength: 280nm  
Detect Time: 2016-01-29 Inject Vol: 20ul  
Analyst: shuzhilin Flow: 1.0ml/min



| No. | Ret.Time<br>min | Height<br>mAU | Area<br>mAU*min | Rel.Area<br>% |
|-----|-----------------|---------------|-----------------|---------------|
| 1   | 5.887           | 139.250       | 1465.600        | 0.0402        |
| 2   | 8.582           | 167437.219    | 3647681.750     | 99.9598       |