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Certificate of Analysis

Product Name: Lycorine chloride

Other Name: Licorin hydrochloride

Catalogue No.: BP0905

Batch No.: 13052111

Report date: 2013-05-21

CAS Number: 2188-68-3

Mol. Formula: C₁₆H₁₈ClNO₄

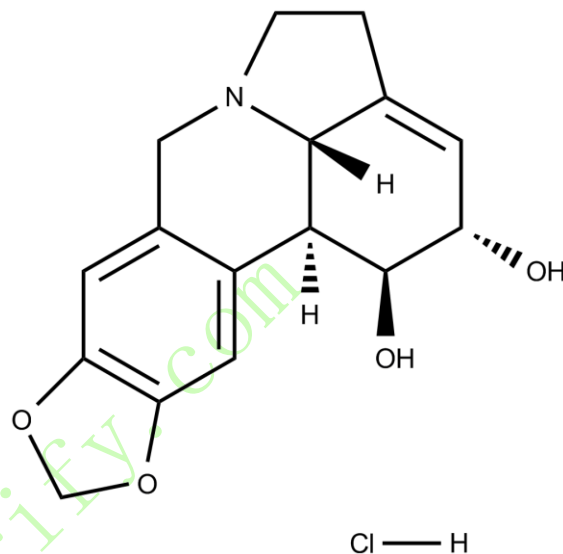
Mol. Weight: 323.77142

Type of compound:

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-DAD

Structure:



Analytical result:

Test	Specification	Results
Appearance	White powder	white powder
Loss on drying	<3.0%	1.1%
Purity (HPLC, 290nm) *	≥98.0%	99.51%

* Please find HPLC chromatography attached.

Package: Brown vial or HDPE Plastic Bottle

Storage: Cool and Dry place, protected from light, keep package airproofed when not in use.

Expiration: two years (2015-05-20) under conditions list above.

QC: *Meng Pan*

Date: 2013-05-21

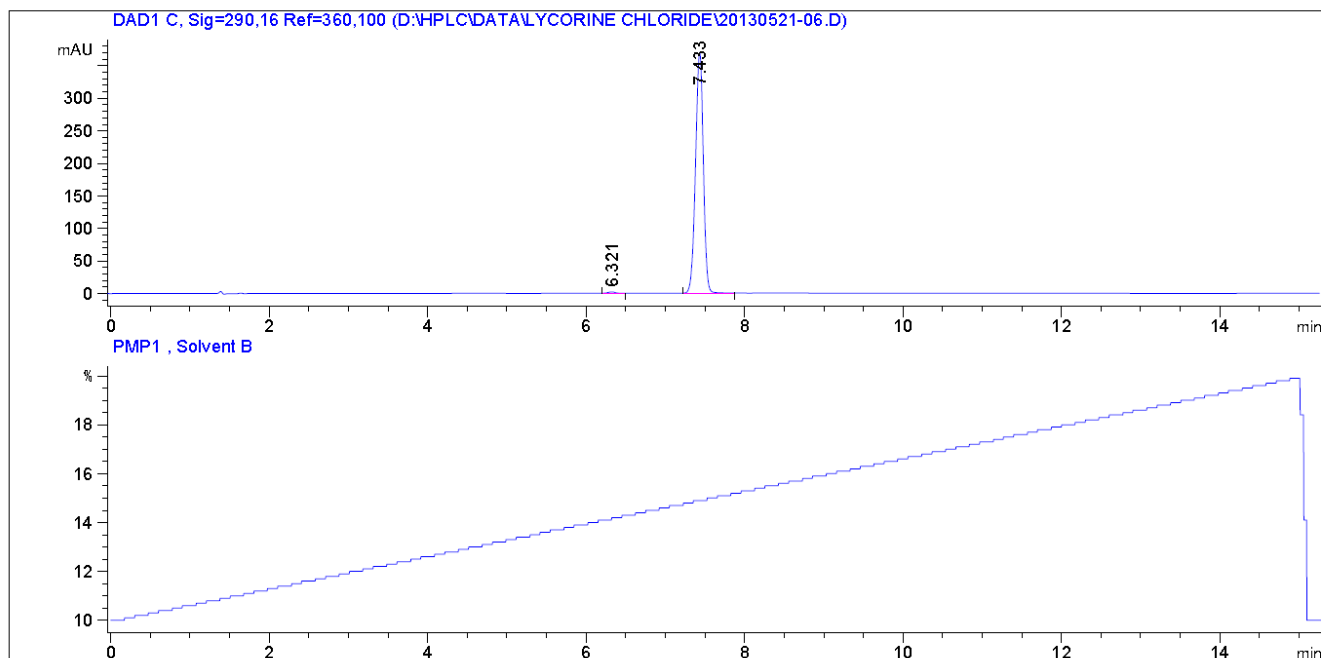
QA: *Lianglei Zhang*

Date: 2013-05-21

Sample Name: LYCORINE CHLORIDE

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Acq. Operator   : pm
Acq. Instrument : Instrument 1          Location : Vial 21
Injection Date  : 5/21/2013 10:52:33 AM
                                           Inj Volume : 10 µl
Acq. Method     : D:\HPLC\METHOD\LYCORINE CHLORIDE.M
Last changed    : 5/21/2013 10:38:01 AM by pm
                  (modified after loading)
Analysis Method : D:\HPLC\METHOD\ATRACYLENOLIDE □.M
Last changed    : 5/3/2012 2:33:09 PM
                  (modified after loading)
Method Info     : Chengdu Biopurify Phytochemicals Ltd
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Area Percent Report

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=====
Sorted By      : Signal
Multiplier     : 1.0000
Dilution       : 1.0000
Use Multiplier & Dilution Factor with ISTDs
=====
  
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Signal 1: DAD1 C, Sig=290,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.321	BB	0.0938	12.37432	2.06851	0.4869
2	7.433	BB	0.1039	2529.21753	369.36365	99.5131

Totals : 2541.59185 371.43215

*** End of Report ***