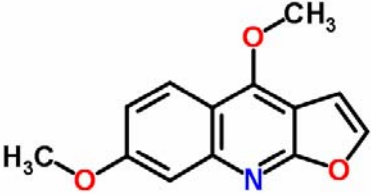


## Certificate of Analysis

Product Name	Evolitrine/ 吳茱萸春	
Catalog Number	1053	
Lot Number	10532	

Chemical Name	Evolitrine
Chemical Formula	C <sub>13</sub> H <sub>11</sub> NO <sub>3</sub>
Chemical Family	Alkaloid
Molecular Weight	229.23
CAS Number	523-66-0
Appearance (Color)	White
Appearance (Form)	Powder

### Analytical Test

Test	Result
Identity by LC/MS Analysis	Consistent with structure
Purity by HPLC/DAD Analysis	≥ 98.0%

### Storage Conditions:

Storage:	Refer to label
Before use:	Keep container tightly closed

*TLCM certifies that this standard meets the specifications stated in this certificate and warrants this product to meet the stated criteria. Warranty does not apply after opening.*

Date of Certificate: 11/06/2013

## Product Analysis Report

### Analytical Test

Test	Results
Identity by LC/MS Analysis	Consistent with structure
Purity by HPLC/DAD Analysis	≥ 98.0%

### Spectral and Physical Data

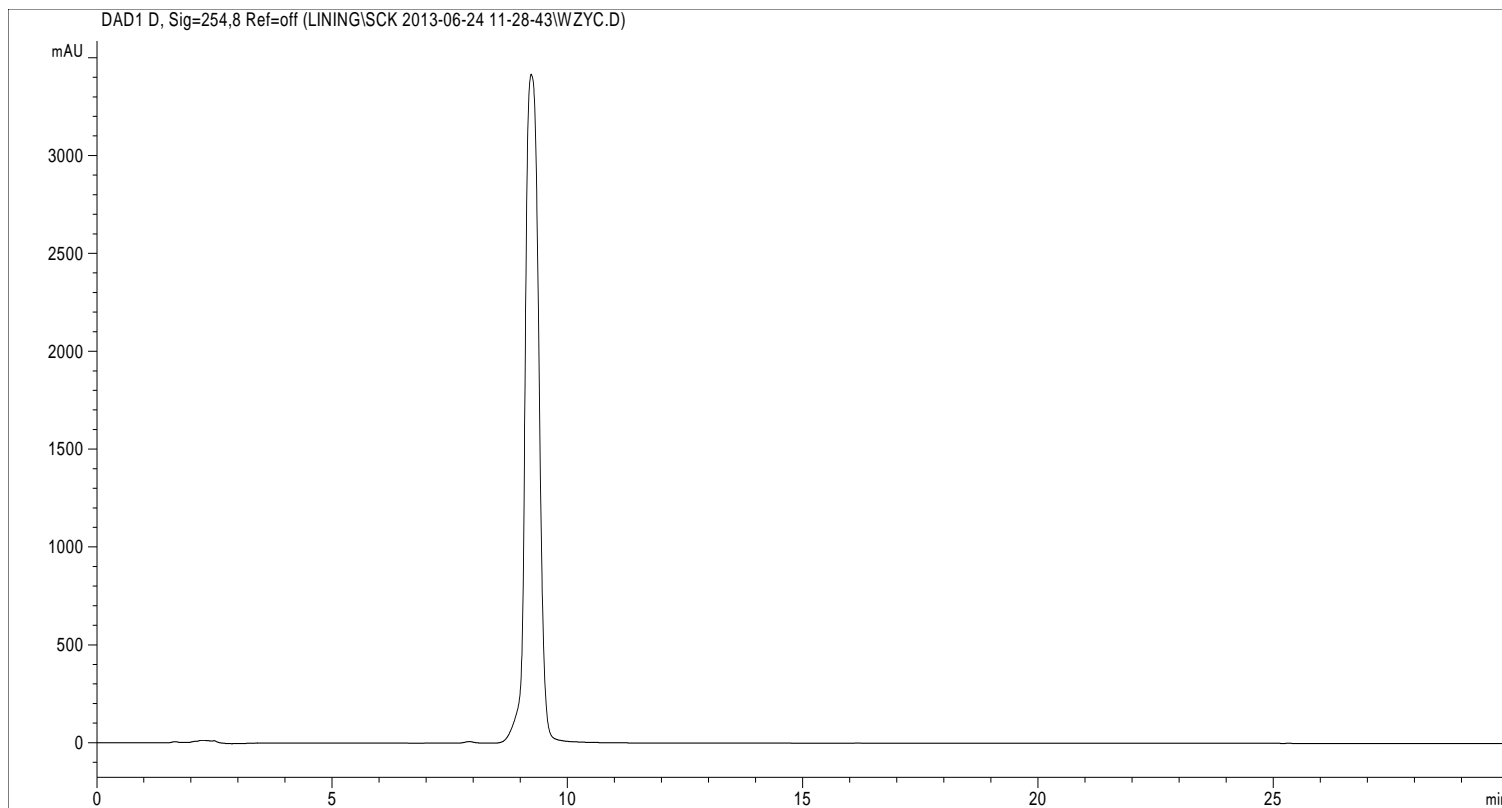
#### HPLC

HPLC system : Agilent Technologies 1200 Series  
Column : Inertsil ODS-4 column, 4.6 x 250 mm, 5 µm  
Injection volume : 10 µl  
Detector : DAD  
Detector wavelength : 254 nm  
Flow rate : 1.0 mL/min  
Mobile phase :

Time (min)	% 1% Triethylamine in H <sub>2</sub> O	% ACN	Flow rate (mL/min)
0 → 60	55	45	1.0

Date File Name : A2-D:\Chem32\2\purity test\data  
Operator : DUAN Ran  
Sample Lot Number : 10532  
Method File : D:\Chem32\2\method\EVOLITRINE  
Acquired : 2013-06-11

### I. HPLC chromatogram



<b>Product</b>	<b>RT (min)</b>	<b>Area (mAu*s)</b>	<b>Relative Area %</b>
Evolutrine	9.23	68629	99.89