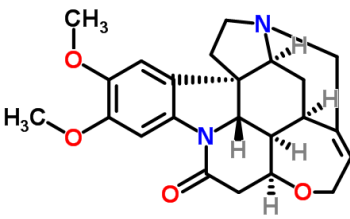


Certificate of Analysis

Product Name	Brucine /馬錢子鹼	
Catalog Number	1006	
Lot Number	10061	

Chemical Name	Brucine
Chemical Formula	$C_{23}H_{26}N_2O_4$
Chemical Family	Alkaloids
Molecular Weight	394.46
CAS Number	357-57-3
Appearance (Color)	White
Appearance (Form)	Powder

Analytical Test

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

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: 22/08/2013

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

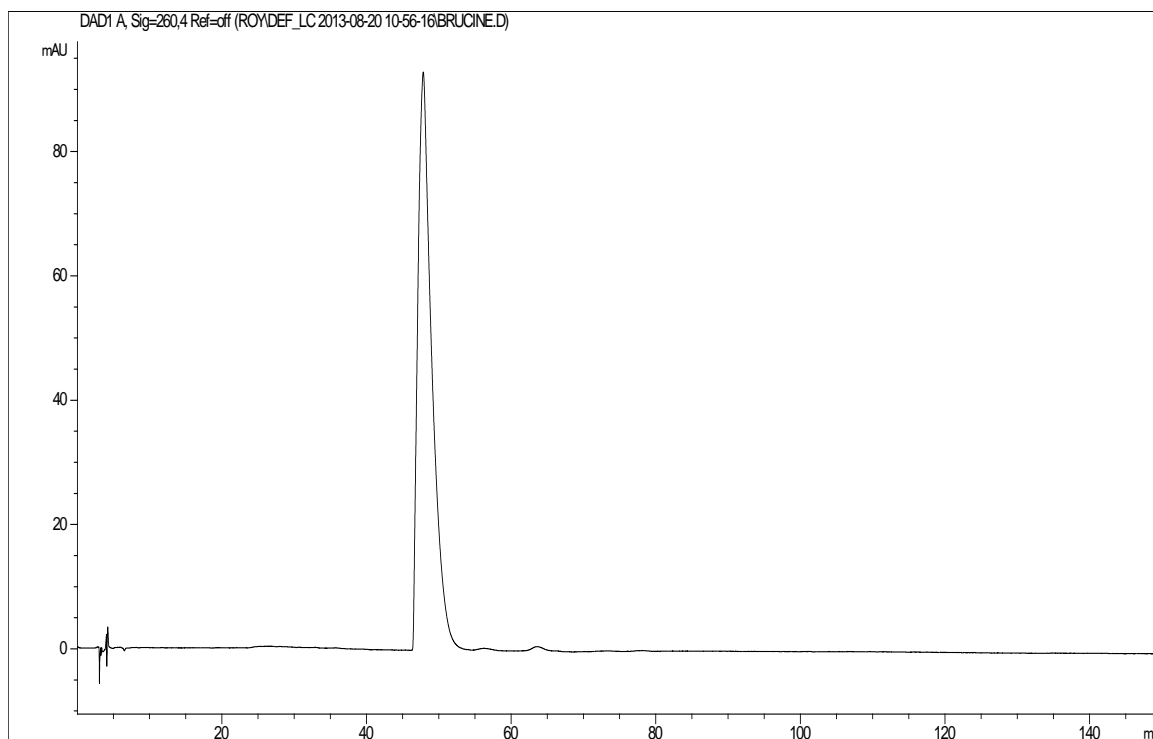
HPLC

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 : 260 nm
Flow rate : 1.0 mL/min
Mobile phase :

Time (min)	% 0.2% Triethylamine + 0.2% Acetic acid	% ACN	Flow rate (mL/min)
0 → 150	90	10	1.0

Date File Name : A1-C:\CHEM32\1\DATA\ROY\DEF_LC 2013-08-20
10-56-16\BRUCINE.D
Operator : DUAN Ran
Sample Lot Number : 10061
Method File : BRUCINE.M
Acquired : 20/08/2013

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Brucine	47.849	12023.1	100.000