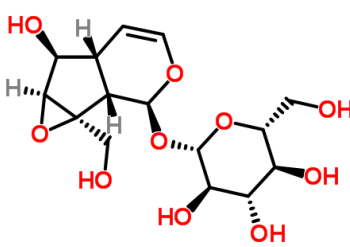


Certificate of Analysis

Product Name	Catalpol / 梓醇	
Catalog Number	11047	
Lot Number	110474	

Chemical Name	Catalpol
Chemical Formula	C ₁₅ H ₂₂ O ₁₀
Chemical Family	Iridoids
Molecular Weight	362.3
CAS Number	2415-24-9
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: 15/01/2014

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

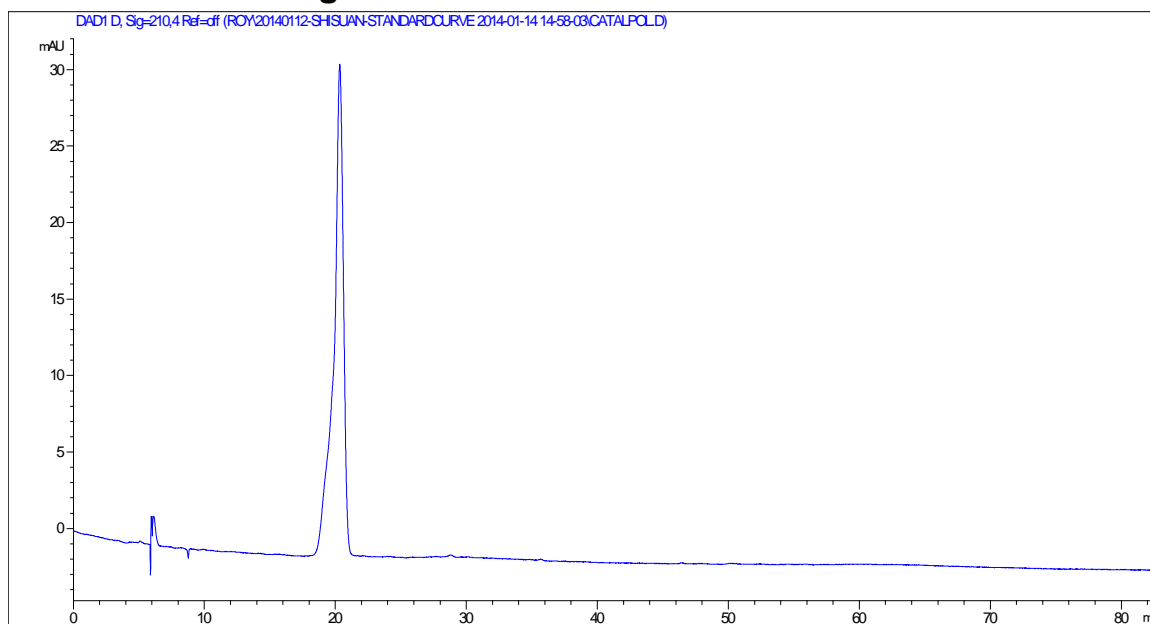
HPLC

HPLC system : Agilent Technologies 1260 Series
Column : Inertsil ODS-4 column, 4.6 x 250 mm, 5 μm
Injection volume : 10 μl
Detector : DAD
Detector wavelength : 210 nm
Flow rate : 0.6 mL/min
Mobile phase :

Time (min)	% 0.1% H ₃ PO ₄	% ACN	Flow rate (mL/min)
0 → 10	99	1	0.6
10 → 30	99 → 95.5	1 → 4.5	0.6
30 → 60	95.5 → 90	4.5 → 10	0.6

Date File Name :
A5-D:\CHEM32\1\DATA\ROY\20140112-SHISUAN-STANDARD CURVE 2014-01-14
14-58-03\CATALPOL.D
Operator : DUAN Ran
Sample Lot Number : 110474
Method File : CATALPOL.M
Acquired : 14/01/2014

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Catalpol	20.34	1652.3	100.000