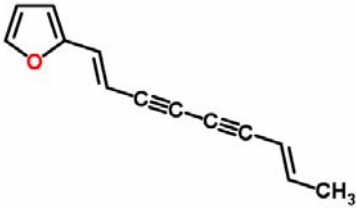


Certificate of Analysis

Product Name	Atractylodin/ 蒼朮素	
Catalog Number	12006	
Lot Number	120064	

Chemical Name	Atractylodin
Chemical Formula	C ₁₃ H ₁₀ O
Chemical Family	Polyacetylene
Molecular Weight	182.22
CAS Number	55290-63-6
Appearance (Color)	Brown
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: 28/05/2013

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

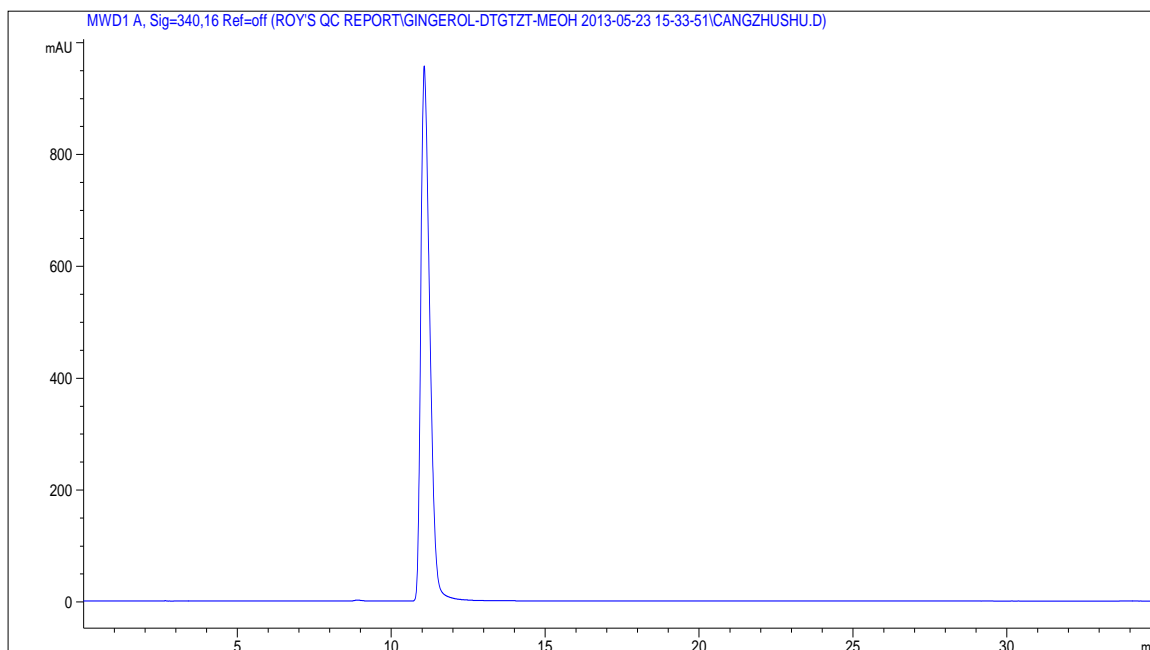
HPLC

HPLC system : Agilent Technologies 1200 Series
Column : Inertsil ODS-4 column, 4.6 x 250 mm, 5 µm or equivalent
Injection volume : 10 µl
Detector : DAD
Detector wavelength : 340 nm
Flow rate : 1.0 mL/min
Mobile phase :

Time (min)	% H ₂ O	% MeOH	Flow rate (mL/min)
0 → 45	15	85	1.0

Date File Name : A3-C:\CHEM32\1\ROY'S QC
REPORT\GINGEROL-DTGTZT-MEOH 2013-05-23 15-33-51\CANGZHUSHU.D
Operator : DUAN Ran
Sample Lot Number : 120064
Method File : CANGZHUSHU.M
Acquired : 2013-05-23

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Atractylodin	11.068	19417.1	99.858