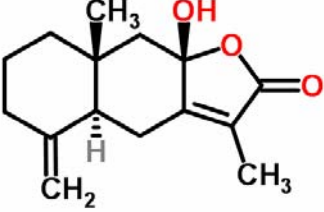


## Certificate of Analysis

Product Name	Atractylenolide III/ 白术内酯 III	
Catalog Number	11007	
Lot Number	110074	

Chemical Name	Atractylenolide III
Chemical Formula	C <sub>15</sub> H <sub>20</sub> O <sub>3</sub>
Chemical Family	Terpenoid
Molecular Weight	248.32
CAS Number	73030-71-4
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.

Chop: \_\_\_\_\_

Date: 29/05/2013

## 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

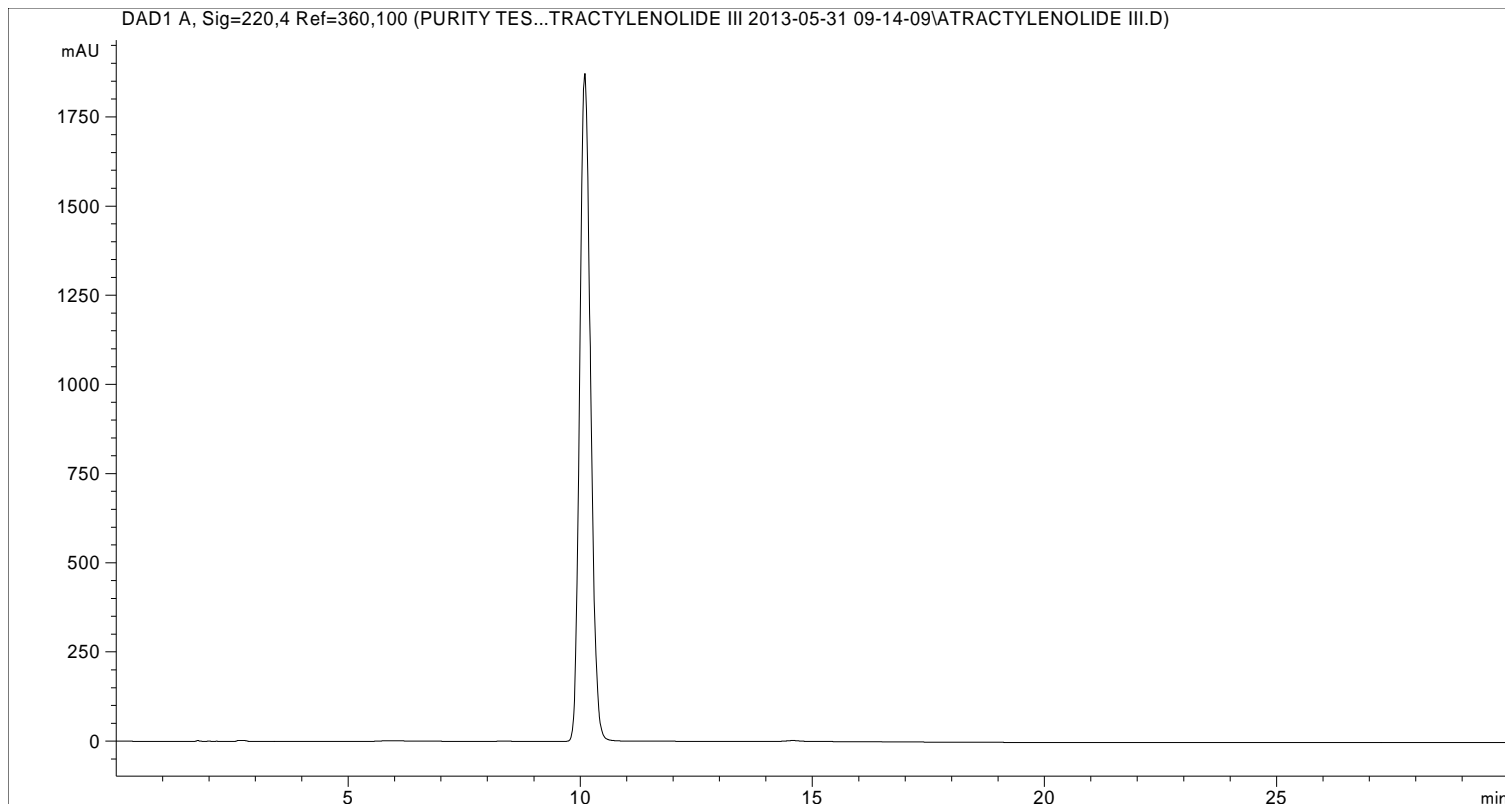
#### HPLC

HPLC system : Agilent Technologies 1200 Series  
Column : Inertsil ODS-4 column, 4.6 x 250 mm, 5 μm  
Injection volume : 10 μl  
Detector : DAD  
Detector wavelength : 220 nm  
Flow rate : 1.0 mL/min  
Mobile phase :

Time (min)	% H <sub>2</sub> O	% MeOH	Flow rate (mL/min)
0 → 26	30	70	1.0

Date File Name : A1-D:\Chem32\data\purity test  
Operator : DUAN Ran  
Sample Lot Number : 110074  
Method File : D:\Chem32\1\method\ATRACYLENOLIDE III  
Acquired : 2013-05-29

**I. HPLC chromatogram**



<b>Product</b>	<b>RT (min)</b>	<b>Area (mAu*s)</b>	<b>Relative Area %</b>
Atractylenolide III	10.1	30381.9	99.72