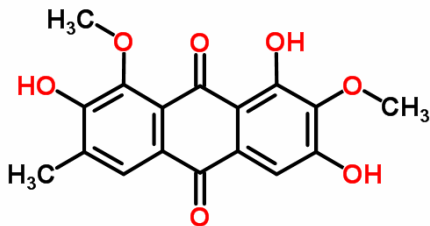


Certificate of Analysis

Product Name	Aurantio-obtusin/ 橙黄决明素	
Catalog Number	2009	
Lot Number	20094	

Chemical Name	Aurantio-obtusin
Chemical Formula	C ₁₇ H ₁₄ O ₇
Chemical Family	Anthraquinone
Molecular Weight	330.29
CAS Number	67979-25-3
Appearance (Color)	Orange
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: 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

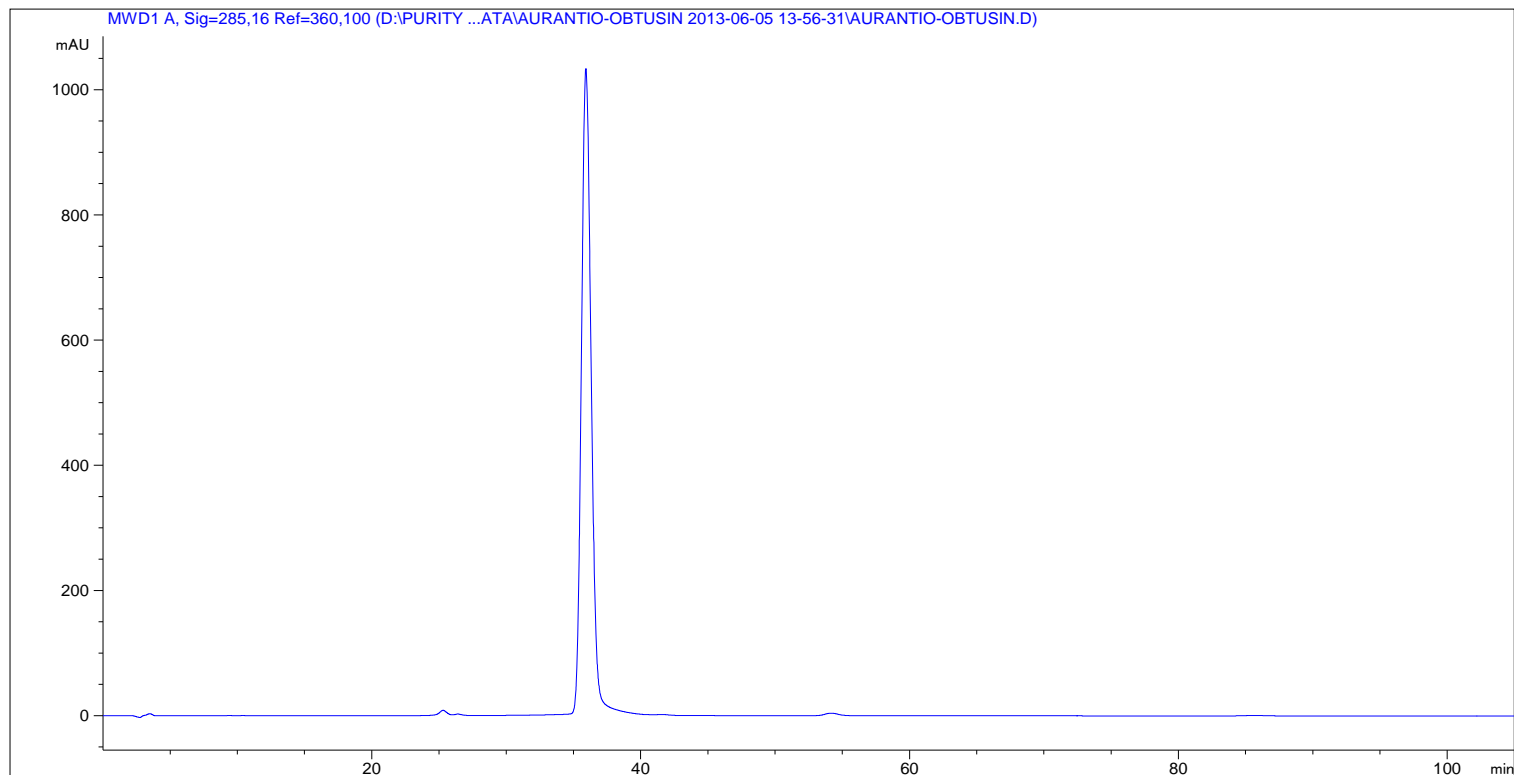
HPLC

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

Time (min)	% 0.1% Trifluoroacetic acid	% ACN	Flow rate (mL/min)
0 → 30	67	33	1.0

Date File Name : A3-D:\Chem32\data\purity test
Operator : DUAN Ran
Sample Lot Number : 20094
Method File : D:\Chem32\1\method\AURANTIO-OBTUSIN
Acquired : 2013-05-29

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Aurantio-obtusin	35.93	51603.6	99.12