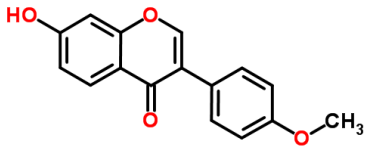


Certificate of Analysis

Product Name	Formononetin /芒柄花素	
Catalog Number	6010	
Lot Number	60101	

Chemical Name	Formononetin
Chemical Formula	C ₁₆ H ₁₂ O ₄
Chemical Family	Flavonoids
Molecular Weight	268.27
CAS Number	485-72-3
Appearance (Color)	White
Appearance (Form)	Powder

Analytical Test

Test	Result
Identity by LC/MS Analysis	Consistent with structure
Purity by HPLC/PDA 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: 23/01/2013

Product Analysis Report

Analytical Test

Test	Results
Identity by LC/MS Analysis	Consistent with structure
Purity by HPLC/PDA Analysis	≥ 98.0%

Spectral and Physical Data

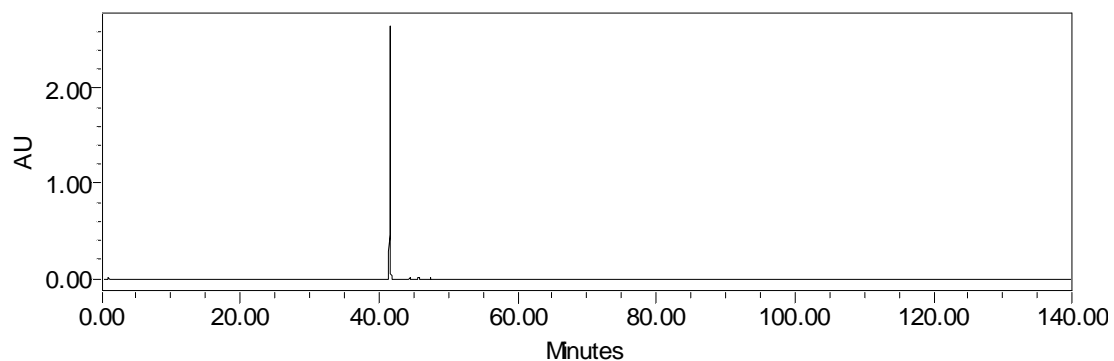
HPLC

HPLC system : Waters 2996
Column : Alltima C₁₈, 4.6 x 250 mm, 5 μm or equivalent
Injection volume : 10 μl
Detector : PDA
Detector wavelength : 248 nm
Flow rate : 1.0 mL/min
Mobile phase :

Time (min)	% H ₂ O	% Acetonitrile	Flow rate (mL/min)
0→10	100	0	1.0
10→45	100→40	0→60	1.0
45→140	40	60	1.0

Date File Name : W1-BrowseProject-CHEMICALMARKERS-Injections-
Formononetin
Operator : DUAN Ran
Sample Lot Number : 60101
Method File : W1-BrowseProject-CHEMICALMARKERS-Method-
Formononetin
Acquired : 08/11/2012

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Formononetin	41.608	22979760	100.00