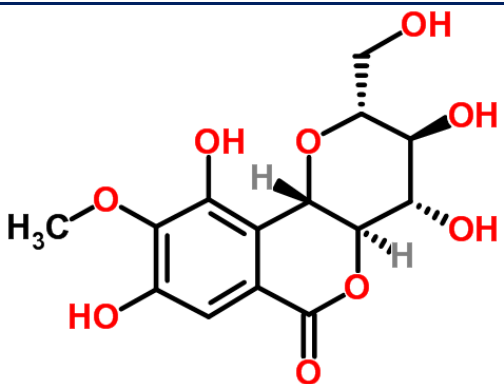


Certificate of Analysis

Product Name	Bergenin/岩白菜素	
Catalog Number	7002	
Lot Number	70021	

Chemical Name	Bergenin
Chemical Formula	C ₁₄ H ₁₆ O ₉
Chemical Family	Glycoside
Molecular Weight	328.27
CAS Number	477-90-7
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: 23/01/2013

Product Analysis Report

Analytical Test

Test	Results
Identity by LC/MS Analysis	Consistent with structure
Purity by HPLC/DAD Analysis	\geq 98.0%

Spectral and Physical Data

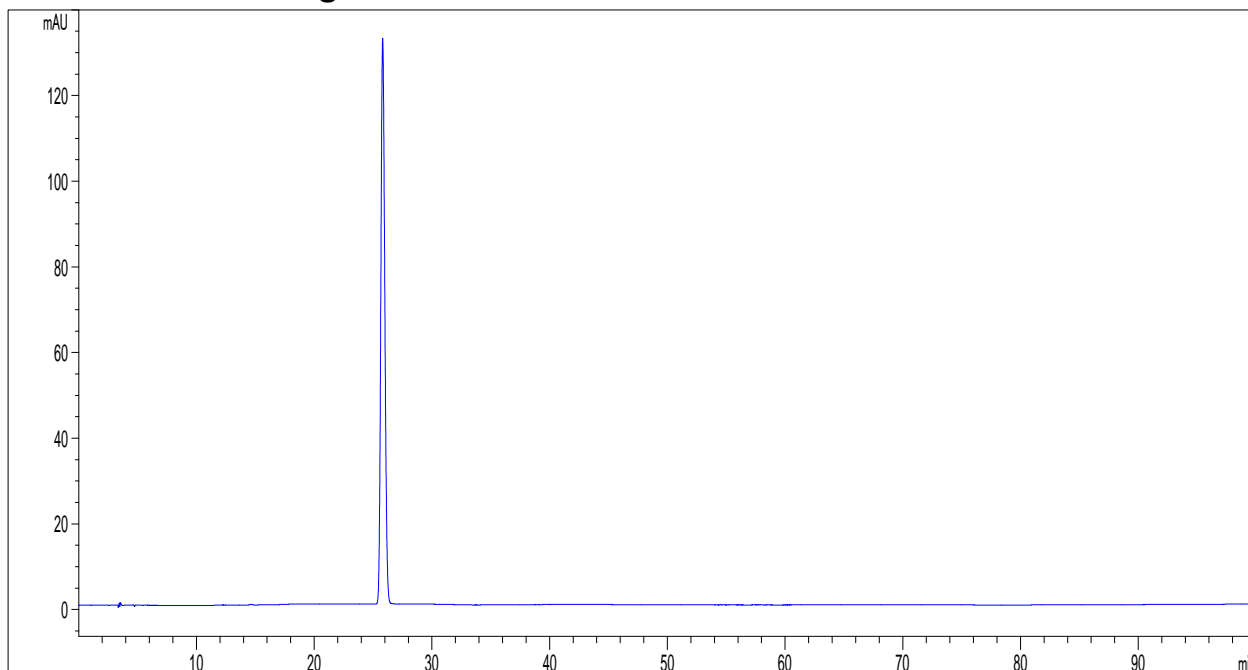
HPLC

HPLC system : Agilent Technologies 1200 Series
Column : Inertsil ODS-4 column, 4.6 x 250 mm, 5 μ m
Injection volume : 5 μ l
Detector : DAD
Detector wavelength : 275 nm
Flow rate : 1.0 mL/min
Mobile phase :

Time (min)	% H ₂ O	% MeOH	Flow rate (mL/min)
0 \rightarrow 100	60	40	1.0

Date File Name : A3-C:\CHEM32\1\DATA\ROYQ\$ QC REPORT\DS-FP
2012-10-26 11-04-48\NBCS.D
Operator : DUAN Ran
Sample Lot Number : 70021
Method File : NBCS.M
Acquired : 26/10/2012

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Bergenin	25.819	3077.4	99.515