



Phloridzin



Trilobatin



Phloretin



Naringin dihydrochalcone



Neohesperidin dihydrochalcone

产品分析证书

Certificate of Analysis

中文名称：根皮素

English Name : Phloretin

别名(Alias): Asebogenol; Dihydronaringenin; Phloretol

产品编码(Cat. No.):BP1088

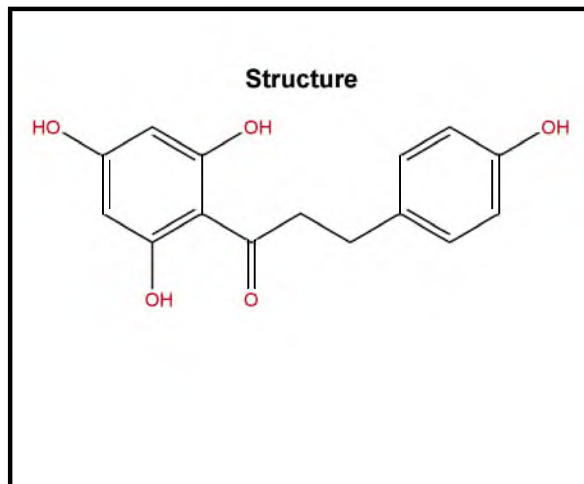
CAS Number: 60-82-2

分子式(M. F.): C₁₅H₁₄O₅

分子量(M. W.): 274.272

批号(Batch No.): PRF9022842

报告日期(Report date): 2018-02-28



检验结果 (Analytical result) :

检验项目 (Test Item)	检验指标 (Specifications)	检验结果 (Results)
外观Appearance	Off-white powder	Off-white powder
干燥失重Loss on drying	< 3.0%	1.23%
纯度Purity (HPLC-DAD,286nm)*	≥98.0%	99.29%
质谱Mass	274.2±1	Conforms
核磁NMR	Comply with the structure	Conforms

* 色谱图见附件 (Please find HPLC chromatography attached.)

检测方法 (Test Method) : Column: Agilent 5HC-C18 , 4.6*250mm , 5.0um; Column temperature: 30°C; Detection Mode: UV286nm;Flow

Rate: 1.0ml/min; Sample dissolution: 30% Acetonitrile; Mobile Phase: A, Acetonitrile B, 0.1% Phosphoric acid in water;Gradient elution:A,

30%-40%,15min.

贮存条件 (Storage) :2~8°C, protected from light, keep package airtight when not in use..

复测期 (Retest date) :two years (2020-02-27) under conditions list above.

QC: Zhang Ling

Date: 2018-02-28

QA: Wu Qi

Date: 2018-02-28

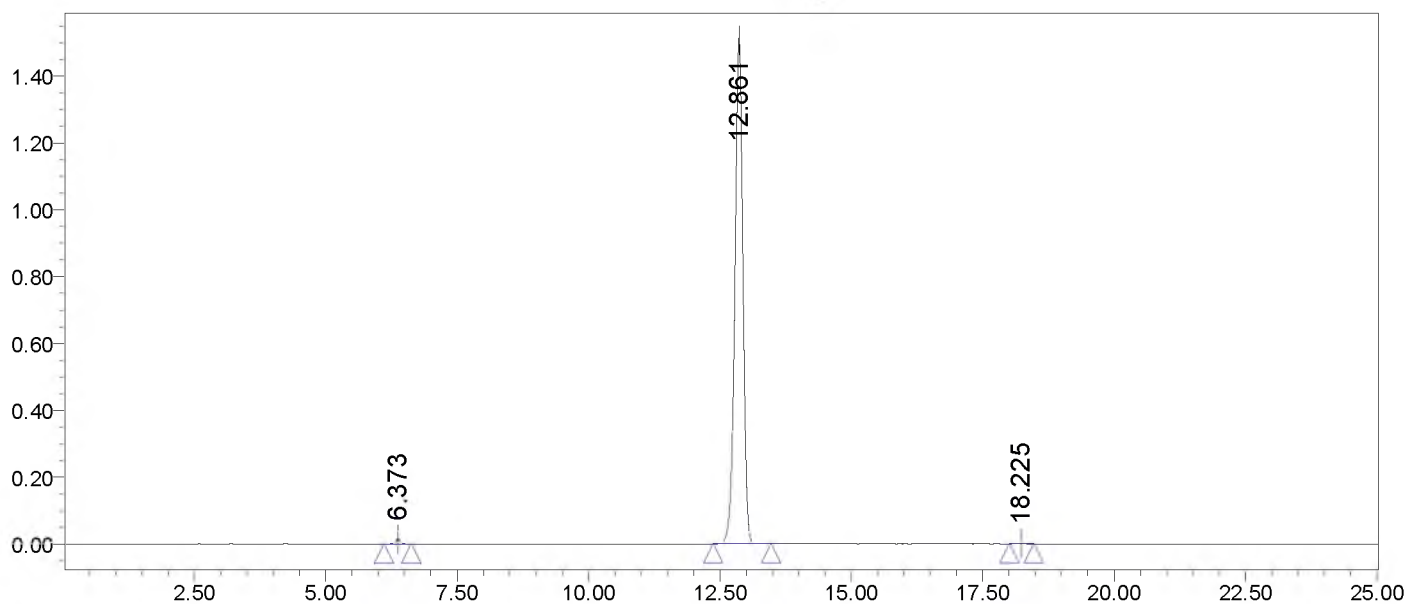
备注(Remarks): The sample solutions should be prepared and used on the same day, it is the best preparing the solutions immediately before use. If the solutions have to be made up in advance, it should be made as aliquots in tightly sealed vials at less than -20°C. Generally, these might be useable for up to two weeks.

In case of quality issue, please contact us within 15 days after receipt of the product.

SAMPLE INFORMATION

Sample Name:	Phloretin PRF9022842	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	102	Acq. Method Set:	Phloretin
injection #:	1	Processing Method:	sample
injection Volume:	10.00 ul	Channel Name:	286.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 286.0 nm
Date Acquired:	2018-2-28 16:29:08 CST		
Date Processed:	2018-2-28 17:08:06 CST		

Auto-Scaled Chromatogram



Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
1	6.373	103574	0.64	17399.14	
2	12.861	16080134	99.29	34288.96	26.96
3	18.225	11534	0.07	63826.66	18.98



成都普瑞法科技开发有限公司
Chengdu Biopurify Phytochemicals Ltd.

Add: No.11 Building, No. 388 Rongtaidadao CNSTP
Wenjiang Zone, Chengdu, Sichuan, 611130 China
TEL: 028-82633987 FAX: 028-82633165
E-mail: biopurify@gmail.com sales@biopurify.com
Web: www.biopurify.com

Certificate of Analysis

Product Name: Phloridzin

Other Name:

Catalogue No.: BP1089

Batch No.: 15083102

Reported Date: 2015-08-31

CAS Number: 60-81-1

Mol. Formula: C₂₁H₂₄O₁₀

Mol. Weight: 436.413

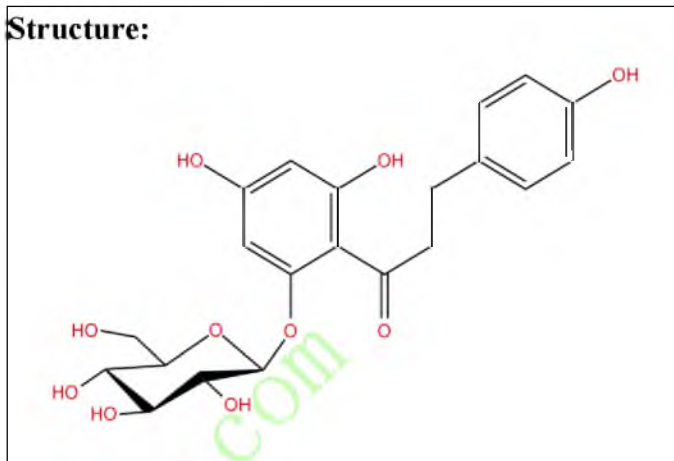
Botanical Source: Micromelum tephrocarpum

Type of compound:

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-DAD

Structure:



Analytical result:

Test	Specification	Results
Appearance	Off-white powder	Off-white powder
Loss on drying	<3.0%	1.1%
Purity (HPLC, 285nm)*	≥98.0%	99.20%

* Please find HPLC chromatography attached.

Package: Brown vial or HDPE Plastic Bottle

Storage: Cool and Dry place, protected from light, keep package airproofed when not in use.

Expiration: two years (2017-08-31) under conditions list above.

QC: Meng Pan

Date: 2015-08-31

QA: Lianglei Zhang

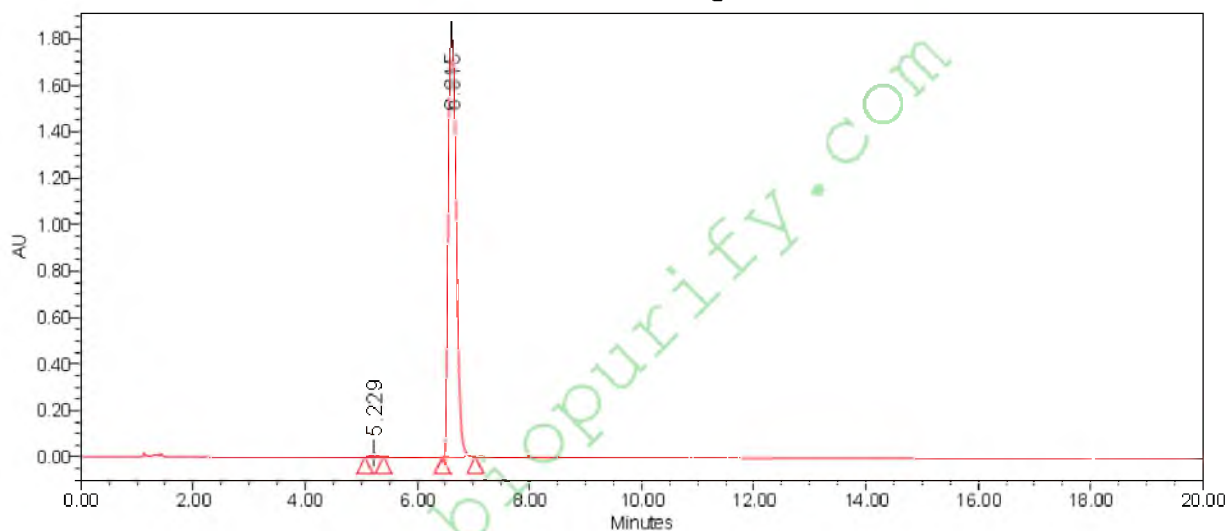
Date: 2015-08-31



SAMPLE INFORMATION

Sample Name:	Phloridzin 15083102	Acquired By:	panmeng
Sample Type:	Unknown	Sample Set Name:	
Vial:	1:C,2	Acq. Method Set:	Phloridzin
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	285.0nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	PDA 285.0 nm
Date Acquired:	2015-8-31 9:37:48 CST		
Date Processed:	2015-8-31 10:37:03 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		5.229	123606	0.80	9702.32	
2		6.615	17529822	99.20	10920.06	6.00

Add: No.11 Building, No. 388 Rongtaidadao CNSTP
Wenjiang Zone, Chengdu, Sichuan, 611130 China
TEL: 028-82633987 FAX: 028-82633165
E-mail: biopurify@gmail.com sales@biopurify.com
Web: www.biopurify.com

Certificate of Analysis

Product Name: Trilobatin

Other Name:

Catalogue No.: BP1756

Batch No.: PRF15092821

Report date 2015-09-28

CAS Number: 4192-90-9

Mol. Formula: C₂₁H₂₄O₁₀

Mol. Weight: 436.413

Type of compound:

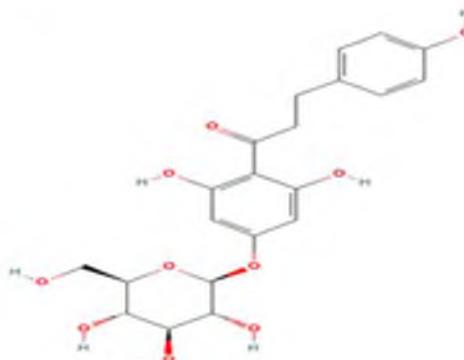
Botanical Source:

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-DAD

Analytical result:

Structure:



Test	Specification	Results
Appearance	Pale Yellow powder	Pale Yellow powder
Loss on drying	<3.0%	1.26%
Purity (HPLC,282nm) *	≥98.0%	98.38%

* Please find HPLC chromatography attached.

Package: Brown vial or HDPE Plastic Bottle

Storage: Cool and Dry place, protected from light, keep package airproofed when not in use.

Expiration: two years (2017-09-28) under conditions list above.

QC: *Meng Pan*

Date: 2015-09-28

QA: *Lianglei Zhang*

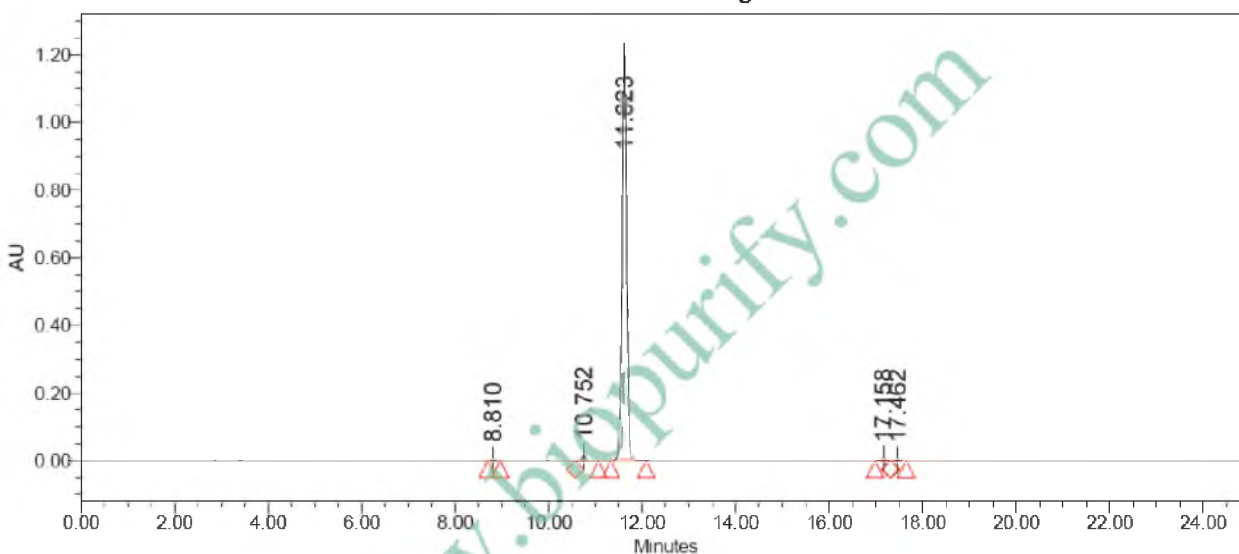
Date: 2015-09-28



SAMPLE INFORMATION

Sample Name:	Trilobatin PRF15092821	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	18	Acq. Method Set:	Trilobatin
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	282.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 282.0 nm
Date Acquired:	2015-9-28 13:39:29 CST		
Date Processed:	2015-9-28 15:11:08 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		8.810	3610	0.21	39561.30	
2		10.752	90935	0.94	58864.50	10.78
3		11.623	8445589	98.38	63431.19	4.72
4		17.158	26384	0.31	106622.62	27.45
5		17.462	14429	0.17	149002.46	1.52



成都普瑞法科技开发有限公司
Chengdu Biopurify Phytochemicals Ltd.



Add: No.11 Building, No. 388 Rongtaidadao CNSTP
Wenjiang Zone, Chengdu, Sichuan, 611130 China
TEL: 028-82633987 FAX: 028-82633165
E-mail: biopurify@gmail.com sales@biopurify.com
Web: www.biopurify.com

Certificate of Analysis

Product Name: Neohesperidin Dihydrochal

Other Name: Neohesperidine Dihydrochalcone

Catalogue No.: BP0992

Batch No.: PRF7081416

Report date: 2016-08-14

CAS Number: 20702-77-6

Mol. Formula: C₂₈H₃₆O₁₅

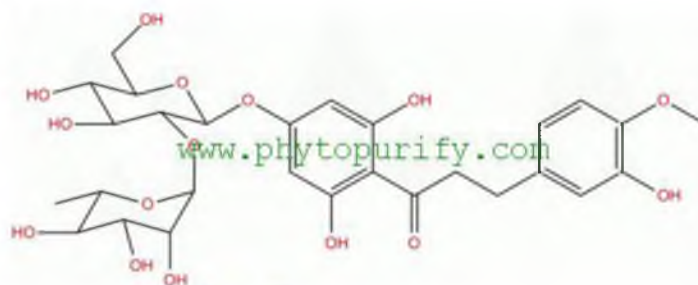
Mol. Weight: 612.581

Type of compound:

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-ELSD

Structure:



Analytical result:

Test	Specification	Results
Appearance	Off-white Powder	Off-white Powder
Loss on drying	<3.0%	1.2%
Purity (HPLC, ELSD)*	≥98.0%	99.39 %

* Please find HPLC chromatography attached.

Package: Brown vial or HDPE Plastic Bottle

Storage: Cool and Dry place, protected from light, keep package airproofed when not in use.

Expiration: two years (2018-08-14) under conditions list above.

QC: Meng Pan

Date: 2016-08-14

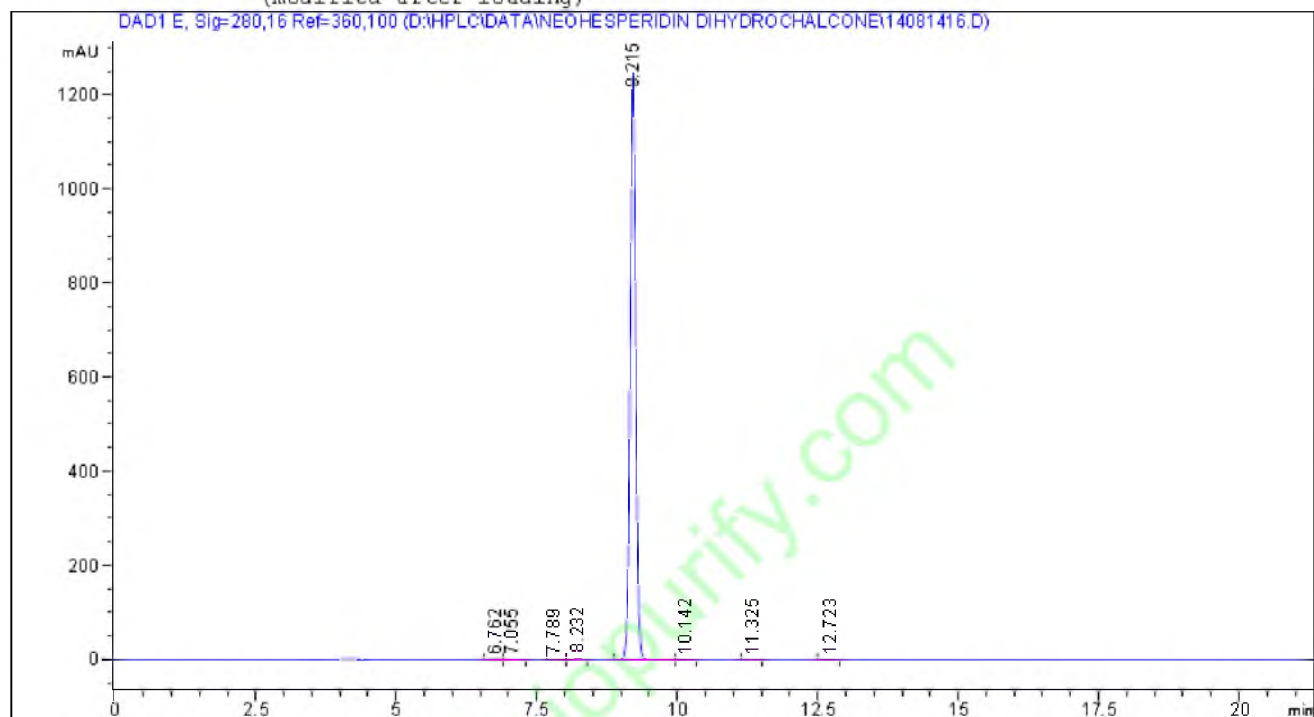
QA: Lianglei Zhang

Date: 2016-08-14



Data File D:\HPLC\DATA\NEOHESPERIDIN DIHYDROCHALCONE\PRF7081416.D
Sample Name: Neohesperidin Dihydrochalcone

=====
Acq. Operator : yzq
Acq. Instrument : Instrument 1 Location : Vial 2
Injection Date : 8/14/2016 1:00:51 PM Inj Volume : 10 µl
Acq. Method : D:\YJH\METHOD\NEOHESPERIDIN DIHYDROCHALCONE.M
Last changed: 8/14/2016 12:55:47 PM by yzq
Analysis Method : D:\YJH\METHOD\HYPEROSIDE .M
Last changed : 8/14/2016 1:25:21 PM by yzq
(modified after loading)



=====
Area Percent Report
=====

Sorted By : Signal
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 E, Sig=280,16 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	6.762	VV	0.1148	3.16273	4.15340e-1	0.0365
2	7.055	VV	0.1416	5.16198	5.03571e-1	0.0596
3	7.789	VV	0.1310	2.69115	2.99090e-1	0.0311
4	8.232	VV	0.1035	26.01729	3.81641	0.3003
5	9.215	VV	0.1065	8611.60742	1248.48096	99.3979
6	10.142	VV	0.1489	5.99620	5.60277e-1	0.0692
7	11.325	VV	0.1163	5.72776	7.23783e-1	0.0661
8	12.723	VV	0.1753	3.40924	2.70096e-1	0.0394

Totals : 8663.77376 1255.06952

产品分析证书
Certificate of Analysis

中文名称: 柚皮苷二氢查尔酮

English Name: Naringin dihydrochalcone

别名 (Alias): Naringin DC

产品编码 (Cat. No.): BP0984

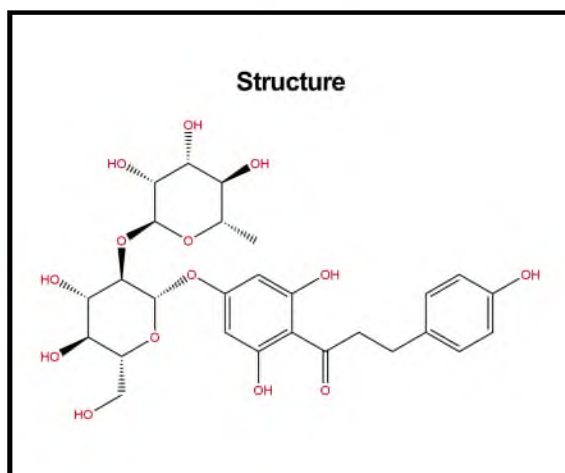
CAS Number: 18916-17-1

分子式 (M. F.): C₂₇H₃₄O₁₄

分子量 (M. W.): 582.555

批号 (Batch No.): PRF7083123

报告日期 (Report date): 2016/8/31



检验结果 (Analytical result):

检验项目 (Test Item)	检验指标 (Specifications)	检验结果 (Results)
外观 Appearance	Off-white powder	Off-white powder
干燥失重 Loss on drying	<3.0%	1.24%
纯度 Purity (HPLC-DAD, 280nm)*	≥98.0%	99.58%
质谱 Mass	582.555±1	Conforms
核磁 NMR	Comply with the structure	Conforms

* 色谱图见附件 (Please find HPLC chromatography attached.)

贮存条件 (Storage): 2~8℃

复测期 (Retest date): two years (2018-08-30) under conditions list above.

备注 (Remarks): 如遇质量问题, 请于收到产品之日起 15 日内与我们联系。

In case of quality issue, please contact us within 15 days after receipt of the product.

QC:

Zhang Ling

Date: 2016年8月31日



QA:

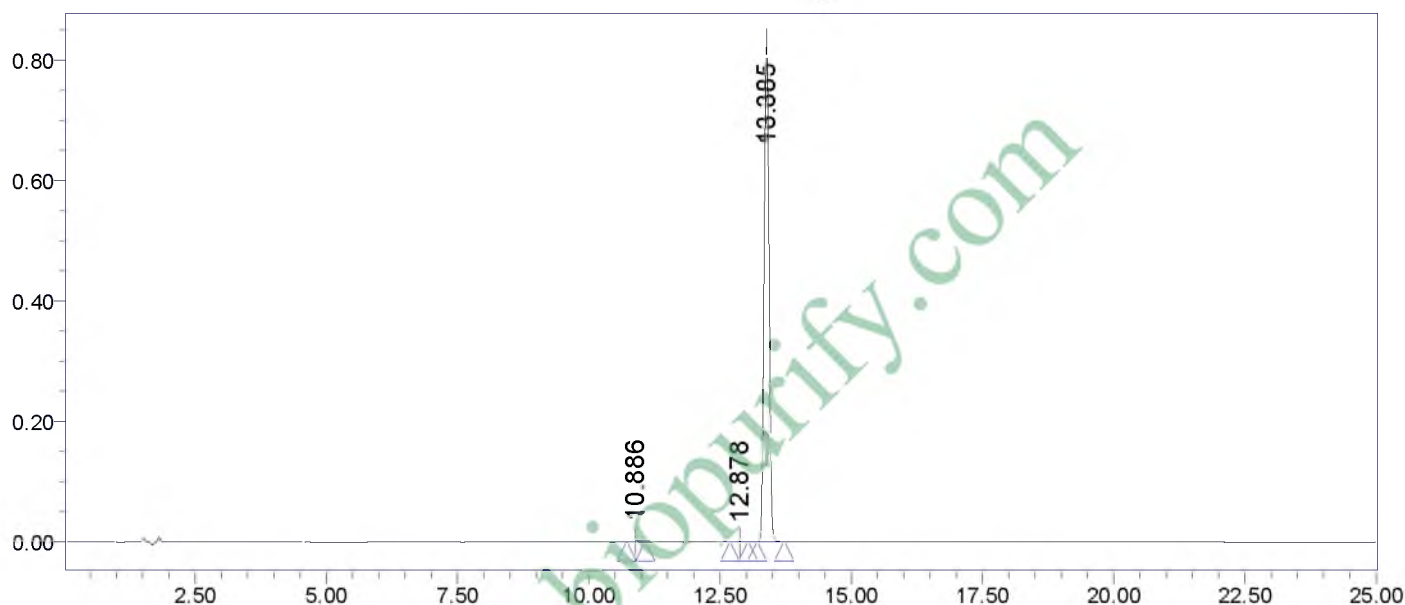
Wu Qi

Date: 2016年8月31日

SAMPLE INFORMATION

Sample Name:	Naringin dihydrochaicone	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	47	Acq. Method Set:	Naringin dihydrochaicone
Injection #:	1	Processing Method:	Samples
Injection Volume:	5.00 ui	Channel Name:	280.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 280.0 nm
Date Acquired:	2016-8-31 11:22:53 CST		
Date Processed:	2016-8-31 12:44:08 CST		

Auto-Scaled Chromatogram



Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
1	10.886	18809	0.35	39098.77	
2	12.878	4012	0.07	70154.13	9.38
3	13.385	5400028	99.58	94752.10	2.68