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Certificate of Analysis

Product Name: Cardamonin

Other Name: Alpinetin chalcone

Catalogue No.: BP0315

Batch No.: 14052411

Report Date: 2014-05-24

CAS Number: 19309-14-9

Mol. Formula: C₁₆H₁₄O₄

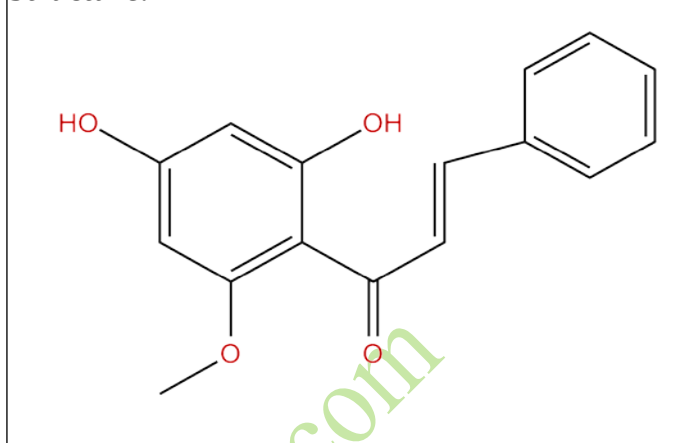
Mol. Weight: 270.284

Type of compound:

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-DAD

Structure:



Analytical result:

Test	Specification	Results
Appearance	Yellow powder	Yellow powder
Loss on drying	<3.0%	0.8 %
Purity (HPLC-345nm)*	≥98.0%	99.28%

* 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 (2016-05-23) under conditions list above.

QC: *Meng Pan*

Date: 2014-05-24

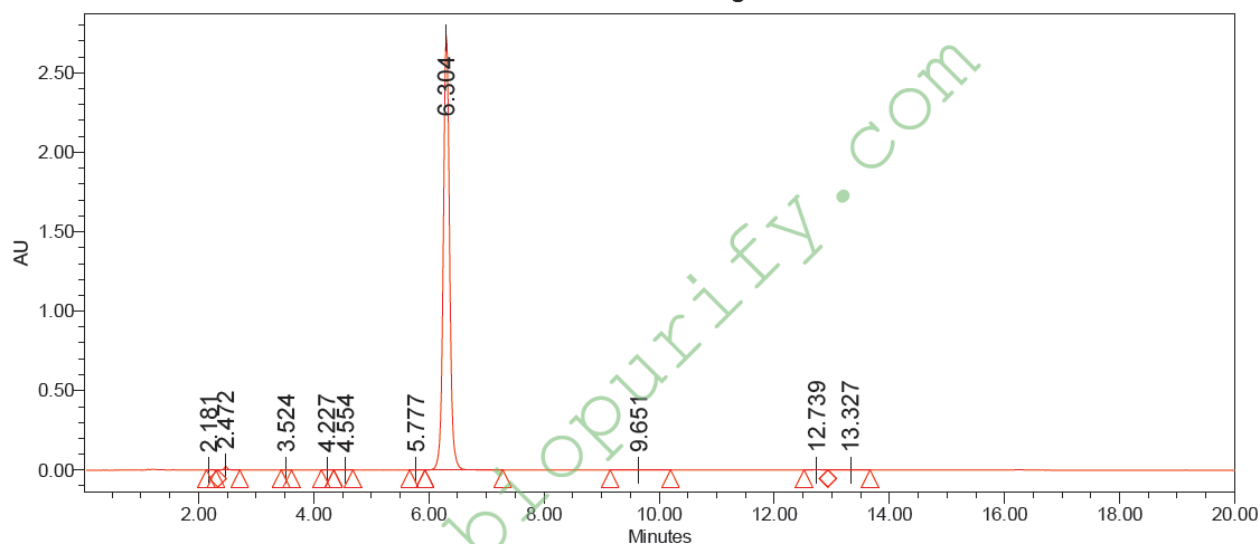
QA: *Lianglei Zhang*

Date: 2014-05-24

SAMPLE INFORMATION

Sample Name:	Cardamonin14052411	Acquired By:	panmeng
Sample Type:	Unknown	Sample Set Name:	
Vial:	1:E,3	Acq. Method Set:	Cardamonin
Injection #:	2	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	345.0nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	PDA 345.0 nm
Date Acquired:	5/24/2014 4:10:43 PM CST		
Date Processed:	5/24/2014 4:38:08 PM CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		2.181	2314	0.01	7644.47	
2		2.472	91860	0.44	8842.01	2.79
3		3.524	1598	0.01	11552.71	9.25
4		4.227	2213	0.01	15297.45	5.55
5		4.554	3789	0.02	11916.27	2.39
6		5.777	5025	0.02	21521.62	8.21
7		6.304	20870985	99.28	17928.49	3.00
8		9.651	9160	0.04	1381.17	6.61
9		12.739	15130	0.07	27815.85	5.35
10		13.327	21238	0.10	4319.66	1.21