

Certificate of Analysis

Product Name: Columbin

Other Name:

Catalogue No.: BP0383

Batch No.: 15121122

Report date: 2015-12-11

CAS Number: 546-97-4

Mol. Formula: C₂₀H₂₂O₆

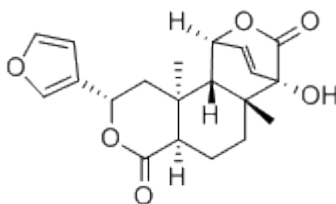
Mol. Weight: 358.39

Botanical Source:

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-DAD

Structure:



Analytical result:

Test	Specification	Results
Appearance	White powder	White powder
Loss on drying	<3.0%	1.7%
Purity (HPLC,210nm) *	≥98.00%	99.25%

* 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 (2017-12-11) under conditions list above.

QC: *Meng Pan*

Date: 2015-12-11

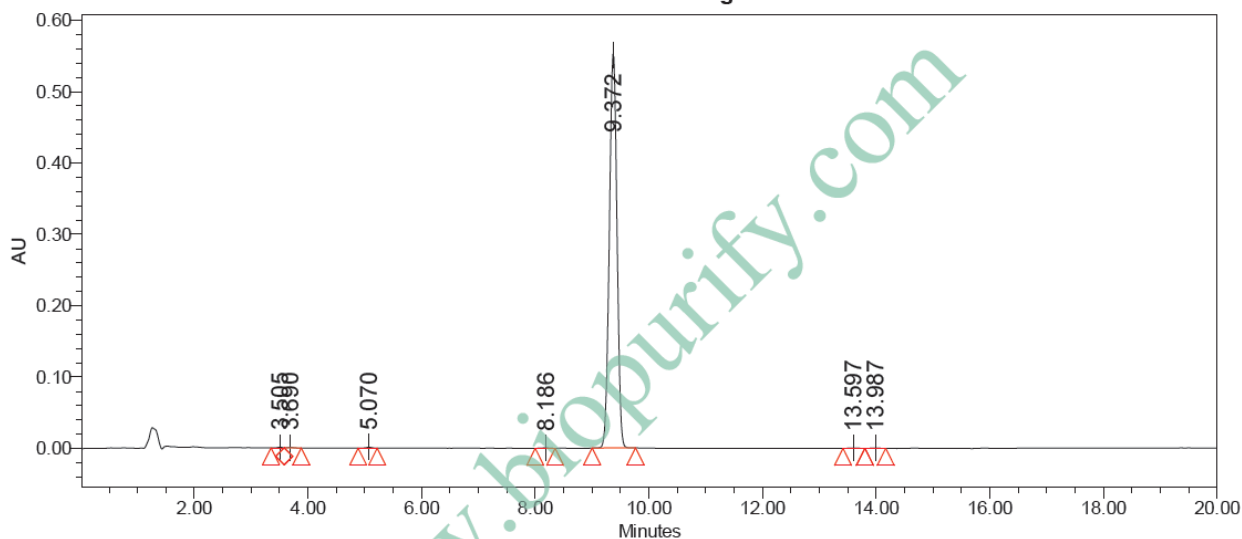
QA: *Lianglei Zhang*

Date: 2015-12-11

SAMPLE INFORMATION

Sample Name:	Columbin PRF15121122	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	25	Acq. Method Set:	Columbin
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	210.0nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	PDA 210.0 nm
Date Acquired:	2015-12-11 14:34:55 CST		
Date Processed:	2015-12-11 15:06:16 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		3.505	5427	0.10	6603.23	
2		3.690	7364	0.14	3937.68	0.89
3		5.070	9624	0.18	9827.40	6.25
4		8.186	6561	0.13	18002.00	13.76
5		9.372	5172509	99.25	22517.62	4.73
6		13.597	5401	0.10	28230.89	14.21
7		13.987	4549	0.09	53054.76	1.33