



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: Isoescsin IA

Other Name: Escin IVa

Catalogue No.: BP0779

Batch No.: 14123106

Report date: 2014-12-31

CAS Number: 219944-39-5

Mol. Formula: C₅₅H₈₆O₂₄

Mol. Weight: 1131.27

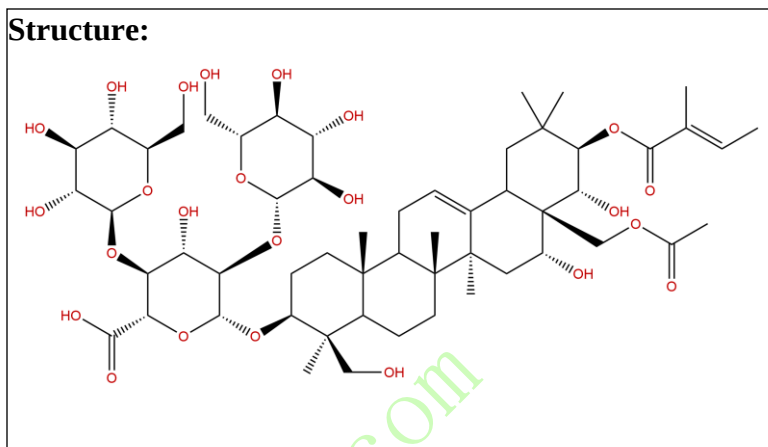
Botanical Source: Aesculus chinensis

Type of compound:

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-ELSD

Structure:



Analytical result:

Test	Specification	Results
Appearance	White powder	White powder
Loss on drying	<3.0%	1.0%
Purity (HPLC-ELSD)*	≥97.0%	97.05%

* 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 (2016-12-30) under conditions list above.

QC: Meng Pan

Date: 2014-12-31

QA: Lianglei Zhang

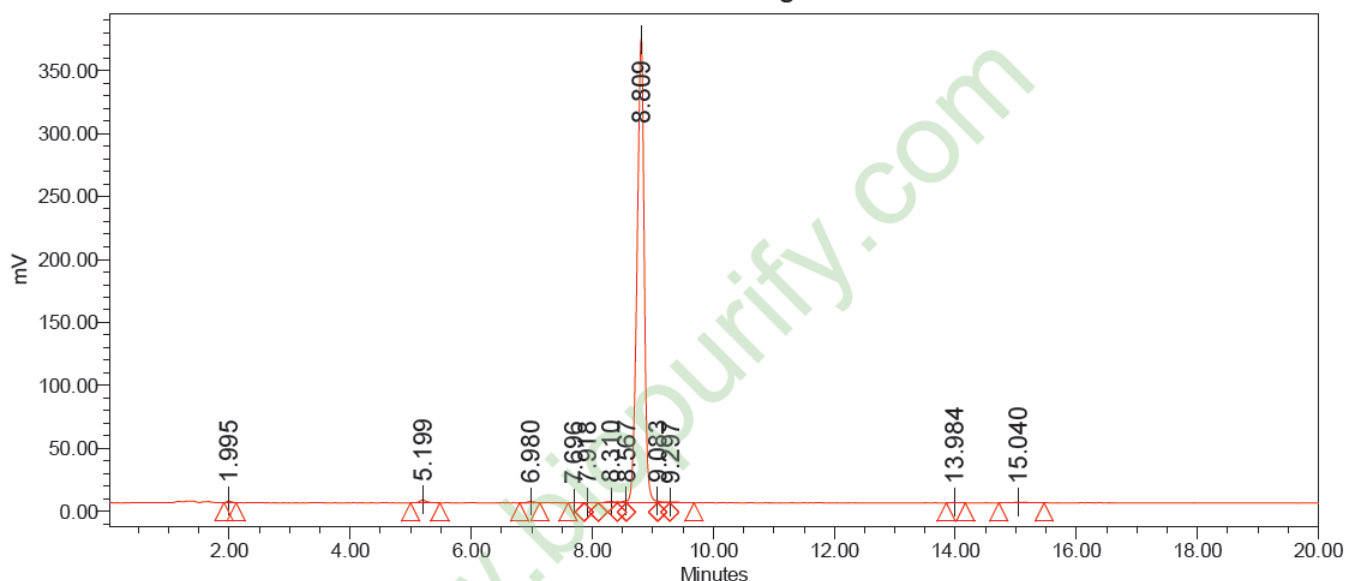
Date: 2014-12-31



SAMPLE INFORMATION

Sample Name:	Isoescsin IA 14123106	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	33	Acq. Method Set:	Isoescsin IA
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	SATIN
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	
Date Acquired:	2014-12-31 12:42:00 CST		
Date Processed:	2014-12-31 13:10:29 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		1.995	5927	0.19	2844.69	
2		5.199	17813	0.57	11253.74	17.98
3		6.980	7883	0.25	21263.98	8.44
4		7.696	2167	0.07		3.27
5		7.918	3692	0.12	8662.78	
6		8.310	12782	0.41		
7		8.567	8915	0.29		
8		8.809	3035258	97.05	26164.07	
9		9.083	9332	0.30		1.25
10		9.297	7919	0.25		
11		13.984	3958	0.13	42365.01	
12		15.040	11723	0.37	14593.87	2.50