



产品分析证书 Certificate of Analysis

中文名称 : 东莨菪亭

English Name : Scopoletin

别名(Alias): Chrysotropic acid; Gelseminic acid; β -Methylaesculetin; Buxuletin; Escopoletin; Scopoletol; Baogongteng B; Murrayetin

产品编码(Cat. No.):BP1275

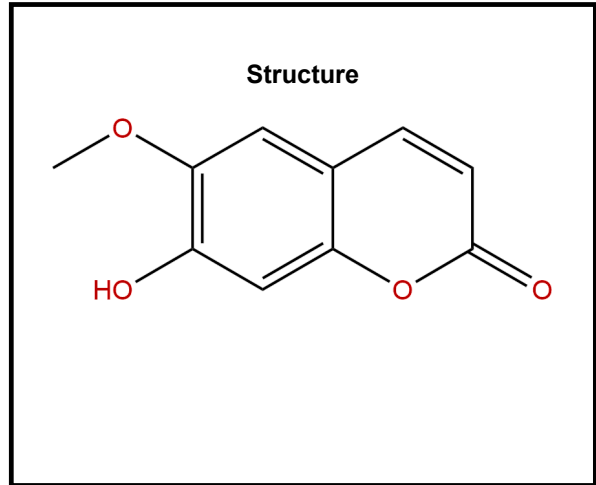
CAS Number: 92-61-5

分子式(M. F.): C₁₀H₈O₄

分子量(M. W.): 192.17

批号(Batch No.): PRF9052122

报告日期(Report date): 2018-05-21



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 crystals	Off-white crystals
干燥失重Loss on drying	< 3.0%	1.2%
纯度Purity (HPLC-DAD,345nm)*	≥98.0%	99.85%
质谱Mass	192.1±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:Thermo BDS Hypersil C18 , 4.6*100 mm , 2.4 μ m; Column temperature: 30°C; Detection Mode: UV345nm ;

Flow Rate: 1.0ml/min; Sample dissolution: 10% Methanol; Mobile Phase: A,Acetonitrile B, 0.1% Phosphoric acid in water;Gradient elution:

A,10%-25%,20min.

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 (2020-05-20) under conditions list above.

QC: Zhang Ling

Date: 2018-05-21

QA: Wu Qi

Date: 2018-05-21

备注(Remarks): The sample solutions should be prepared 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.

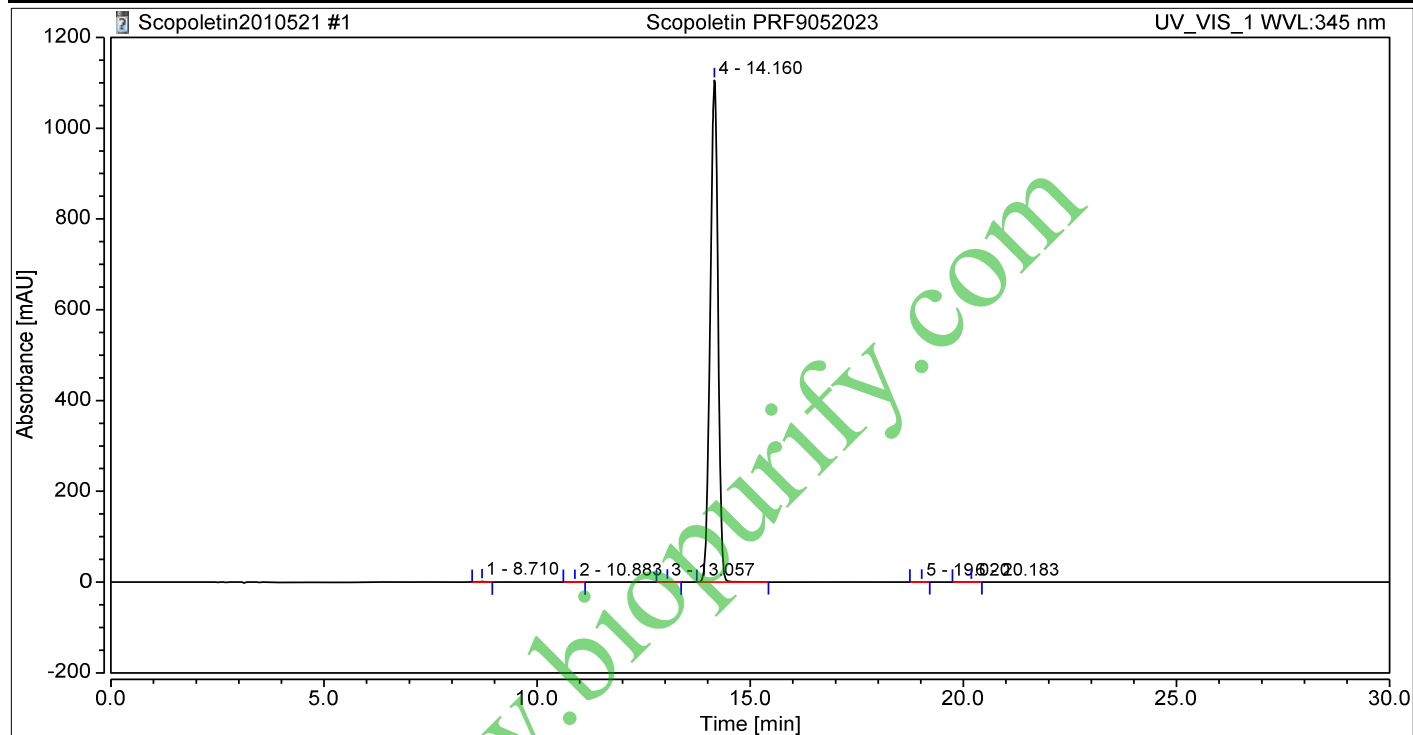


Chengdu Biopurify Phytochemicals Ltd HPLC Report

Injection Details

Injection Name:	Scopoletin PRF9052122	Run Time (min):	30.00
Vial Number:	RC3	Injection Volume:	10.00
Injection Type:	Unknown	Channel:	UV_VIS_1
Calibration Level:		Wavelength:	345
Instrument Method:	Scopoletin	Bandwidth:	16
Processing Method:	Scopoletin	Injection Date/Time:	21/05/2018 11:12

Chromatogram



Integration Results

No.	Retention Time min	Height mAU	Area mAU*min	Relative Area %	Plates (USP)	Resolution (USP)	Asymmetry
1	8.710	1.523	0.237	0.10	20271	9.14	0.95
2	10.883	0.089	0.017	0.01	35552	7.61	0.93
3	13.057	0.183	0.042	0.02	23564	3.26	1.07
4	14.160	1105.158	233.527	99.85	28214	15.45	0.93
5	19.020	0.132	0.026	0.01	67850	1.85	0.88
6	20.183	0.080	0.029	0.01	7024	n.a.	0.77
Total:		1107.165	233.877	100.00			5.53