产品分析证书
Certificate of Analysis

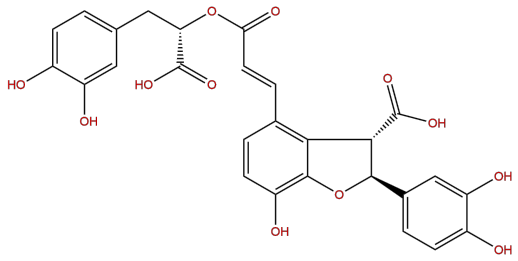
中文名称：紫草酸

English Name：Lithospermic acid
别名(Alias): Lithospermic acid A; Clinopodic acid H

产品编码(Cat. No.):BP0878
CAS Number: 28831-65-4
分子式(M. F.): C27H22O12
分子量(M. W.): 538.461

批号(Batch No.): PRF8060642
报告日期(Report date): 2017-06-06

Structure



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	Light yellow powder	Light yellow powder
干燥失重Loss on drying	＜3.0%	1.36%
纯度Purity (HPLC-DAD,312nm)*	≥98.0%	98.96%
质谱Mass	538.4±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 Hypersil GOLD AQ C18，4.6*250mm，5.0um; **Column temperature**: 30℃; **Detection Mode:** UV312nm; **Flow Rate:** 1.0ml/min; **Sample dissolution:** Methanol; **Mobile Phase: A**, 0.1% phosphoric acid in water **B**, Acetonitrile;**Gradient elution:** B, 20%-25%,15min.

贮存条件（**Storage**）:2~8℃, protected from light, keep package airproofed when not in use.

复测期（**Retest date**）:two years (2019-06-05) under conditions list above.

QC: Zhang Ling
Date: 2017-06-06

QA: Wu Qi
Date: 2017-06-06

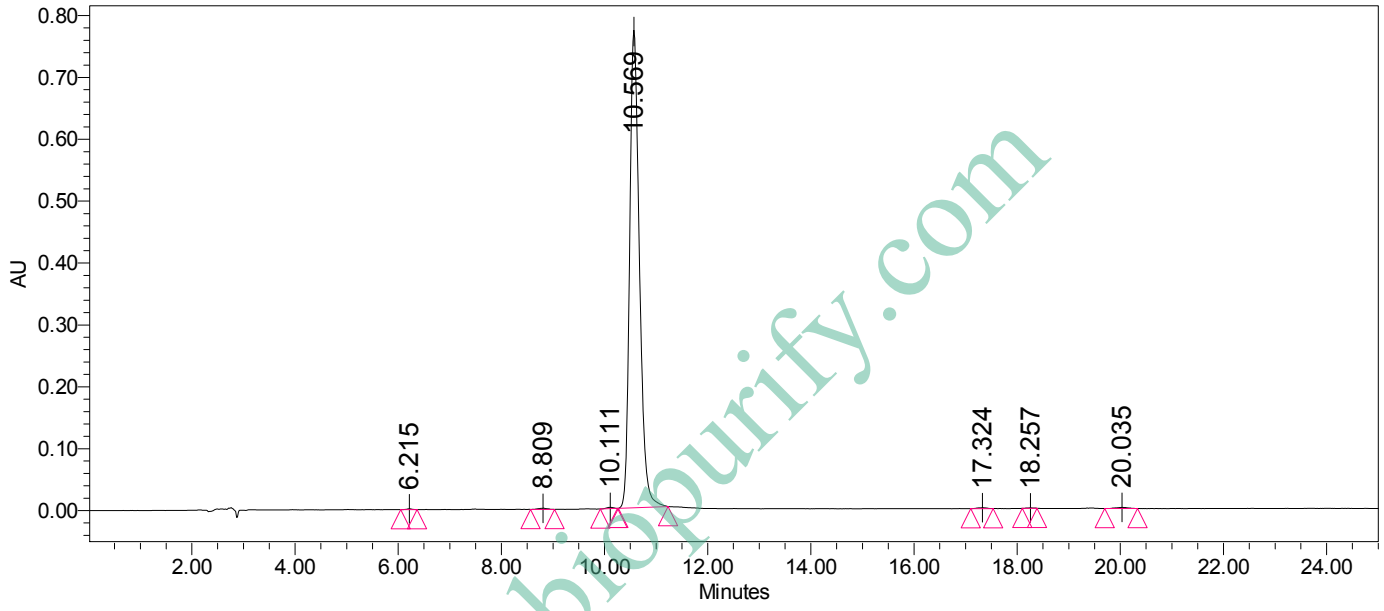
备注(Remarks): The sample solutions should be prepared and used promptly. It is the best preparing the solutions immediately before use. If the solutons have to be made up in advance, it should be made as aliquots in tightly sealed vials at less than -20℃. Generally, these might be useable for up to two weeks.
In case of quality issue, please contact us within 15 days after receipt of the product.

Tel：+86-28-82633397 Fax：+86-28-82633165
http://www.phytopurify.com Email：sales@biopurify.com biopurify@gmail.com

SAMPLE INFORMATION

Sample Name:	Lithospermic acid PRF8060642	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	46	Acq. Method Set:	Lithospermic acid
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	312.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 312.0 nm
Date Acquired:	2017-6-6 13:37:00 CST		
Date Processed:	2017-6-6 14:11:02 CST		

Auto-Scaled Chromatogram



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Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		6.215	11375	0.11	6904.4	
2		8.809	22377	0.22	10243.9	9.7
3		10.111	20603	0.20	25333.6	4.4
4		10.569	10153741	98.96	15287.1	1.5
5		17.324	17931	0.17	43500.6	17.7
6		18.257	6464	0.06	81093.0	2.7
7		20.035	28177	0.27	25312.1	5.1