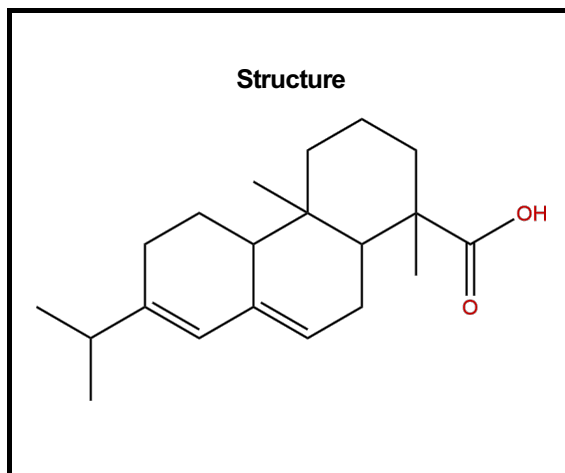


产品分析证书 Certificate of Analysis

中文名称: 松香酸

English Name: Abietic acid

别名 (Alias): Abietinic acid; (1R,4AR,4BR,10AR)-7-ISOPROPYL-1,4A-DIMETHYL-1,2,3,4,4A,4B,5,6,10,10A-DECAHYDRO-PHENANTHRENE-1-CARBOXYLIC ACID; ABIETIC ACID; ROSIN ACID; SYLVIC ACID; (1R-(1α,4β,4bα,10α)-1,2,3,4,4a,4b,5,6,10,10a-decahydro-1,4a-d; [1θ-(1α,4β,4bα,10α)]-7-(1-methylethyl); 1,2,3,4,4a,4b,5,6,10,10a-decahydro-1,4a-dimethyl-7-(1-methylethyl)-, [1R-(1.α.,4a.β.,4b.α1-Phenanthrenecarboxylic acid; 13-isopropyl-podocarpa-13-dien-15-oic acid; 13-isopropylpodocarpa-7,13-dien-15-oic acid; 7,13-abietadien-18-oic acid; imethyl-7-(1-methylethyl)-1-phenanthrenecarboxylic acid; kyselinaabietova; l-abietic acid; abietic acid, technical; 13-Isopropylpodocarpa-7,13-dien-15-oic acid; Abietic acid; 13-Isopropylpodocarpa-7,13-dien-15-oic acid; Sylvic acid; 13-iso-Propylpodocarpa-7,13-dien-15-oic acid; colophonic acid; colophonic acid; ABIETIC ACID, TECH., 70%



产品编码 (Cat. No.): BP3051

CAS Number: 514-10-3

分子式 (M. F.): C₂₀H₃₀O₂

分子量 (M. W.): 302.45

批号 (Batch No.): PRF8071042

报告日期 (Report date): 2017-07-10

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 powder	Off-white powder
纯度 Purity (HPLC-DAD, 241nm)*	≥95.0%	95.21%
质谱 Mass	302.4±1	Conforms
核磁 NMR	Comply with the structure	Conforms
水分 Water Content	<3.0%	1.65%

* 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, 5.0μm; Column temperature: 30°C; Detection Mode: UV241nm; Flow

Rate: 1.0ml/min; Sample dissolution: Methanol; Mobile Phase: A 0.1% phosphoric acid in water B, Acetonitrile; Gradient elution: B, 20%-70%, 0min-5min; 70%-80%, 5min-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 (2019-07-09) under conditions list above.

QC: Zhang Ling

Date: 2017-07-10

QA: Wu Qi

Date: 2017-07-10

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



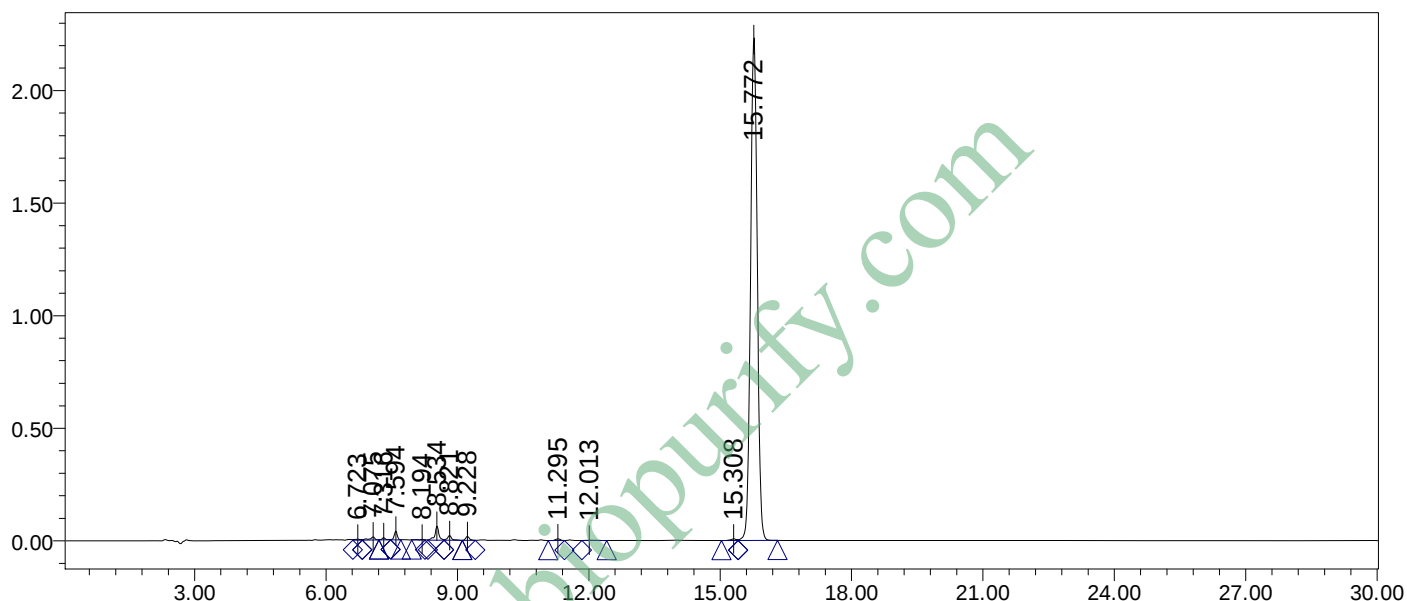
Tel: +86-28-82633397 Fax: +86-28-82633165

<http://www.phytopurify.com> Email: sales@biopurify.com biopurify@gmail.com

SAMPLE INFORMATION

Sample Name:	Abietic acid PRF8071042	Acquired By:	System
Sample Type:	Standard	Sample Set Name:	
Vial:	118	Acq. Method Set:	Abietic acid
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	241.0nm
Run Time:	30.0 Minutes	Proc. Chnl. Descr.:	PDA 241.0 nm
Date Acquired:	2017-7-10 13:36:19 CST		
Date Processed:	2017-7-10 14:12:46 CST		

Auto-Scaled Chromatogram



Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
1	6.723	37496	0.15	7007.09	
2	7.075	112814	0.45	35144.29	
3	7.316	56767	0.23	52166.55	1.69
4	7.594	188548	0.75	57682.70	2.11
5	8.194	26444	0.11	77094.24	1.71
6	8.534	387779	1.55	63206.35	0.96
7	8.821	138030	0.55	54238.53	1.88
8	9.228	99299	0.40	59172.93	2.58
9	11.295	54779	0.22	52255.22	11.79
10	12.013	28173	0.11	27524.64	2.80
11	15.308	65523	0.26	38720.30	

Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
12	15.772	23778725	95.21	51993.06	

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