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Certificate of Analysis

Product Name: Tsugaric acid A

Other Name:

Catalogue No.:

Batch No.: 14050505

Reported Date: 2014-05-05

CAS Number: 174391-64-1

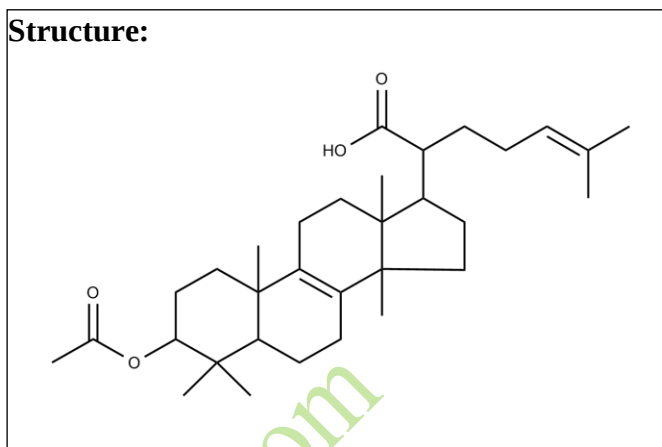
Mol. Formula: C₃₂H₅₀O₄

Mol. Weight: 498.74

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%	1.1%
Purity (HPLC, ELSD)*	≥98.0%	98.52%

* 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 (2016-05-05) under conditions list above.

QC: *Meng Pan*

Date: 2014-05-05

QA: *Lianglei Zhang*

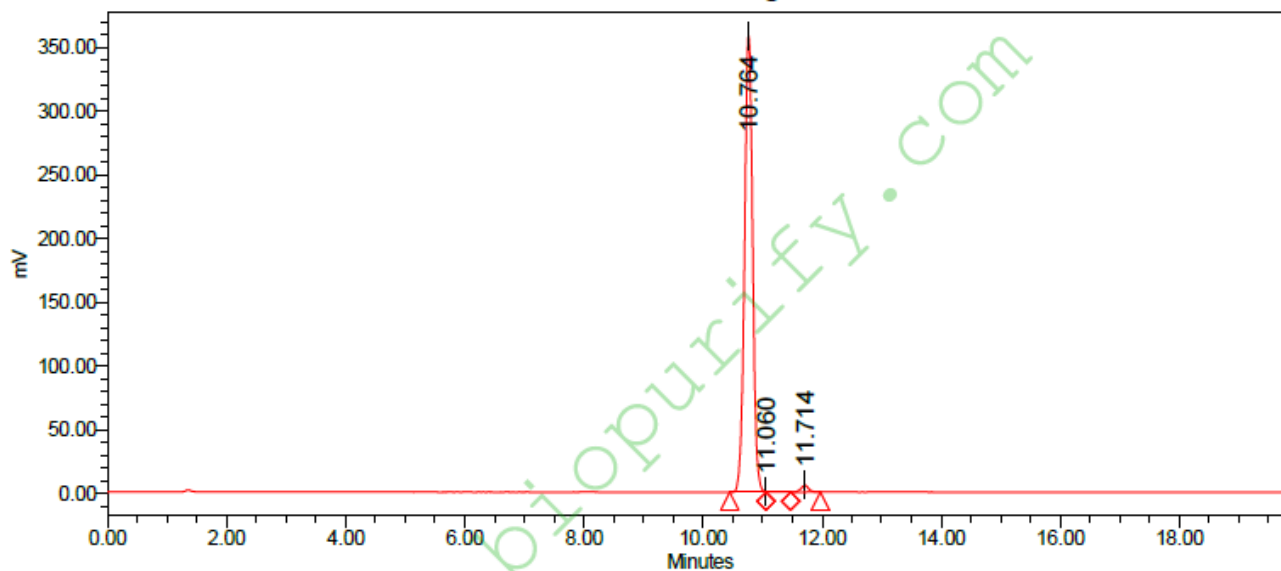
Date: 2014-05-05



SAMPLE INFORMATION

Sample Name:	Tsugaric acid A 14050505	Acquired By:	panmeng
Sample Type:	Unknown	Sample Set Name:	
Vial:	1:B,1	Acq. Method Set:	Tsugaric acid A
Injection #:	1	Processing Method:	Samples
Injection Volume:	15.00 ul	Channel Name:	SATIN
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	
Date Acquired:	2014-5-5 11:18:21 CST		
Date Processed:	2014-5-5 11:52:26 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		10.764	3384206	98.52	32145.12	
2		11.060	2732	0.08		1.18
3		11.714	48251	1.40	43102.41	2.68