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Certificate of Analysis

Product Name: Costunolide

Other Name:

Catalogue No.: BP0401

Batch No.: 14071602

Report date: 2014-7-16

CAS Number: 553-21-9

Mol. Formula: C₁₅H₂₀O₂

Mol. Weight: 232.323

Type of compound:

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-DAD

Structure:



Analytical result:

Test	Specification	Results
Appearance	White Powder	White Powder
Loss on drying	<3.0%	1.6 %
Purity (HPLC, 225.0nm)*	≥98.0%	98.93%

* 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 (2016-7-16) under conditions list above.

QC: *Meng Pan*

Date: 2014-7-16

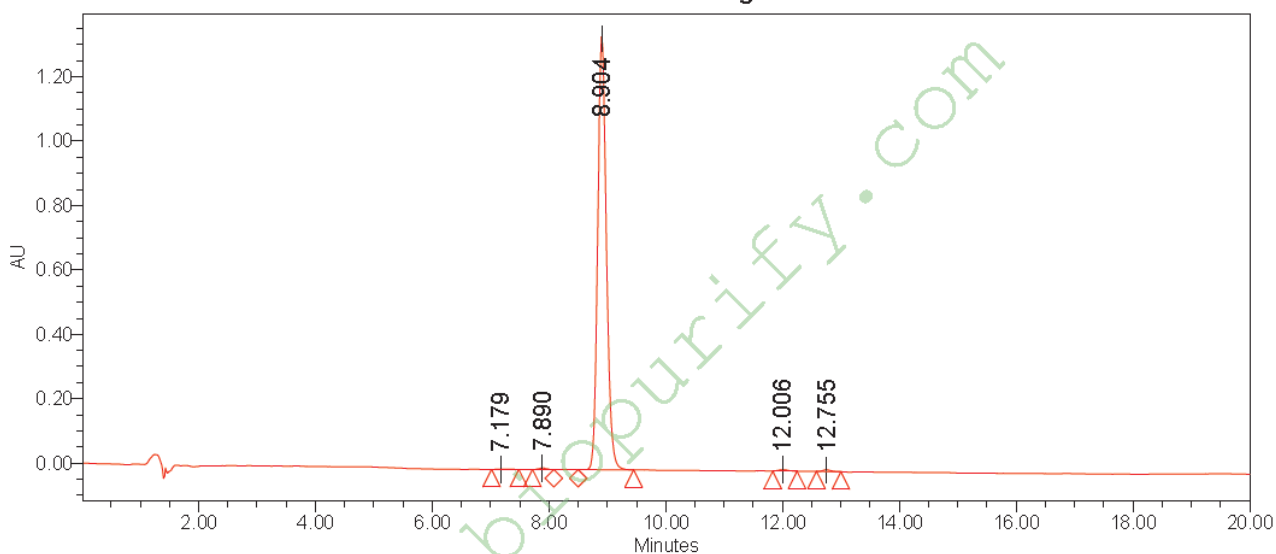
QA: *Lianglei Zhang*

Date: 2014-7-16

SAMPLE INFORMATION

Sample Name:	Costunolide 14071602	Acquired By:	panmeng
Sample Type:	Unknown	Sample Set Name:	
Vial:	1:E,2	Acq. Method Set:	Costunolide
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	225.0nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	PDA 225.0 nm
Date Acquired:	2014-7-16 9:32:17 CST		
Date Processed:	2014-7-16 10:04:47 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		7.179	12855	0.09	3353.44	
2		7.890	36236	0.26	21537.33	2.25
3		8.904	13792853	98.93	17731.16	3.93
4		12.006	47773	0.34	26377.77	10.63
5		12.755	51741	0.37	42704.70	2.58