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Certificate of Analysis

Product Name: Royal jelly acid

Other Name: 10-HAD; 10-hydroxydec-2-enoic acid

Catalogue No.: BP1476

Batch No.: 16020101

Reportdate 2016-02-01

CAS Number: 14113-05-4

Mol. Formula: C₁₀H₁₈O₃

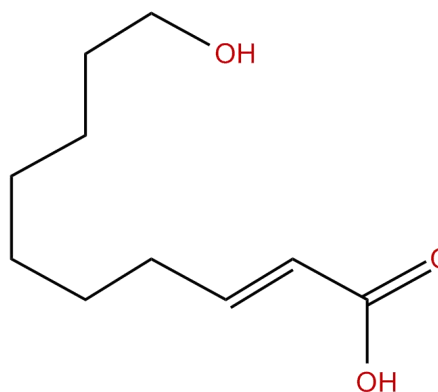
Mol. Weight: 186.25

Botanical Source: Royal jelly

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%	1.5%
Purity (HPLC)	≥98.0%	98.53%

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 (2018-01-31) under conditions list above.

QC: *Meng Pan*

Date: 2016-02-01

QA: *Lianglei Zhang*

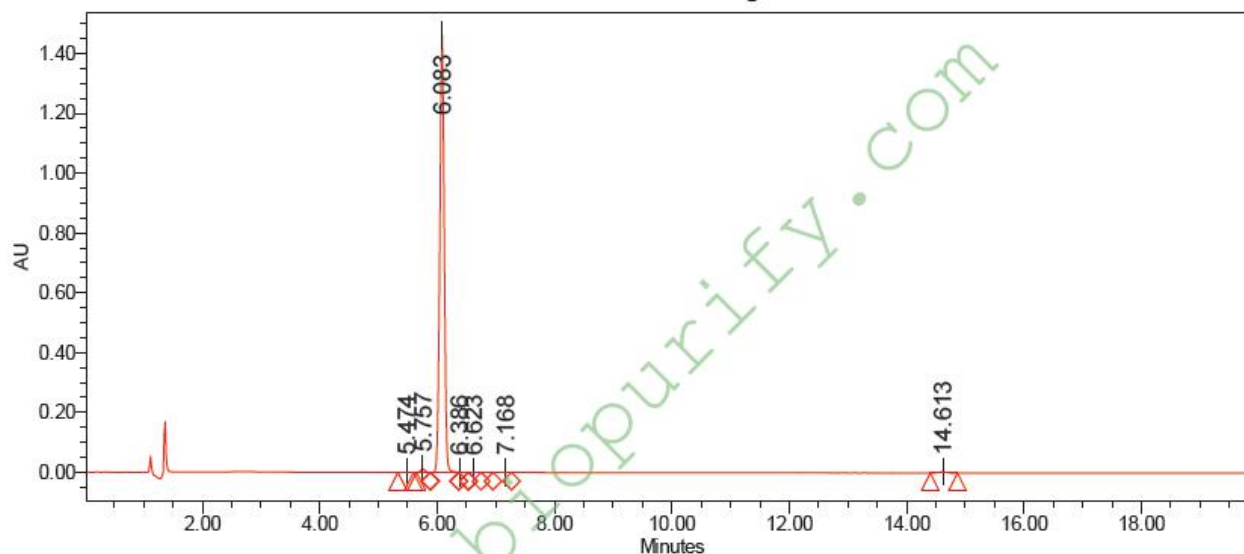
Date: 2016-02-01



SAMPLE INFORMATION

Sample Name:	10 HDA 16020101	Acquired By:	panmeng
Sample Type:	Unknown	Sample Set Name:	
Vial:	1:C,1	Acq. Method Set:	10 HDA
Injection #:	1	Processing Method:	Samples
Injection Volume:	6.00 ul	Channel Name:	210.0nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	PDA 210.0 nm
Date Acquired:	2016-2-1 9:47:47 CST		
Date Processed:	2016-2-1 10:58:27 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		5.474	4762	0.06	36668.19	
2		5.757	55833	0.72	29031.67	2.25
3		6.083	7660356	98.53	28814.43	2.33
4		6.386	8591	0.11		2.11
5		6.623	7711	0.10		
6		7.168	6079	0.08	6758.55	
7		14.613	31202	0.40	80127.67	21.80