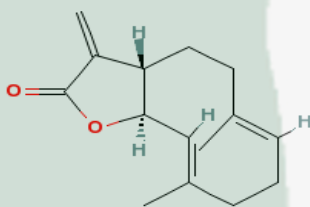


PRODUCT ID	E-0072	<p>Structure</p> 
PRODUCT	Costunolide /木香烃内酯	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	16080131	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2016-08-01	
DATE OF REPORT	2016-08-01	

CHEMICAL NAME (3aS,6E,10E,11aR)-6,10-dimethyl-3-methylidene-3a,4,5,8,9,11a-hexahydrocycloclodeca[b]furan-2-one

OTHER NAME

CHEMICAL FORMULA

C₁₅H₂₀O₂

MOLECULAR WEIGHT(MW)

232.3181

CAS NUMBER

553-21-9

CHEMICAL FAMILY

Sesquiterpene category 倍半萜类

FROM

Saussurea Lappa

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK63—2006	NLT ≥98.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK63—2006	NA	ND
Water	Q/TFFK63—2006	≤2%	Conforms
Appearance		White Crystal	Conforms

STORAGE CONDITIONS

STORAGE

Refer to the label

SHELF LIFE

2 Years

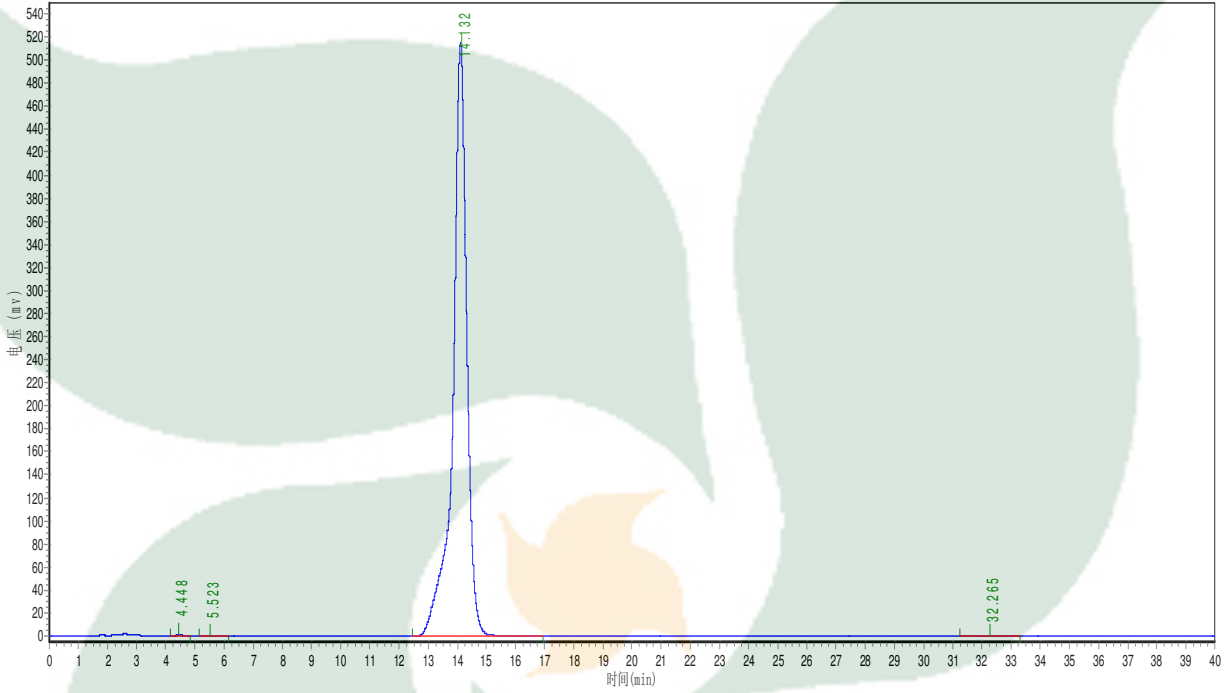
Analyst

Checker

Manager

Product Analysis Report

Product Name: Costunolide **Chrom-Column:** C18
Lot Number: 16080131 **Mobile Phase:** ACN:H2O (60:40)
Temperature: 25°C **Wavelength:** 225nm
Detect Time: 2016-08-01 **Inject Vol:** 20μL
Analyst: shuzhilin **Flow:** 1ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.448	1146.463	16028.000	0.0931
2	5.523	194.950	5360.200	0.0311
3	14.132	513838.938	17186418.000	99.8574
4	32.265	59.476	3163.300	0.0184