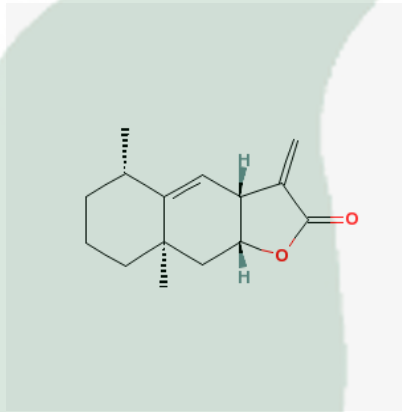


PRODUCT ID	E-0191	Structure 
PRODUCT	Alantolactone /土木香内酯	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	18042022	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2018-04-20	
DATE OF REPORT	2018-04-20	

OTHER NAME	Helenine
CHEMICAL FORMULA	C ₁₅ H ₂₀ O ₂
MOLECULAR WEIGHT(MW)	232.3181
CAS NUMBER	546-43-0
CHEMICAL FAMILY	Sesquiterpene

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK194—2007	NLT ≥98.0%	98.1%
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK194—2007	NA	ND
Water	Q/TFFK194—2007	≤2%	Conforms
Appearance		White Crystal	Conforms

STORAGE CONDITIONS

STORAGE	Refer to the label
SHELF LIFE	2 Years

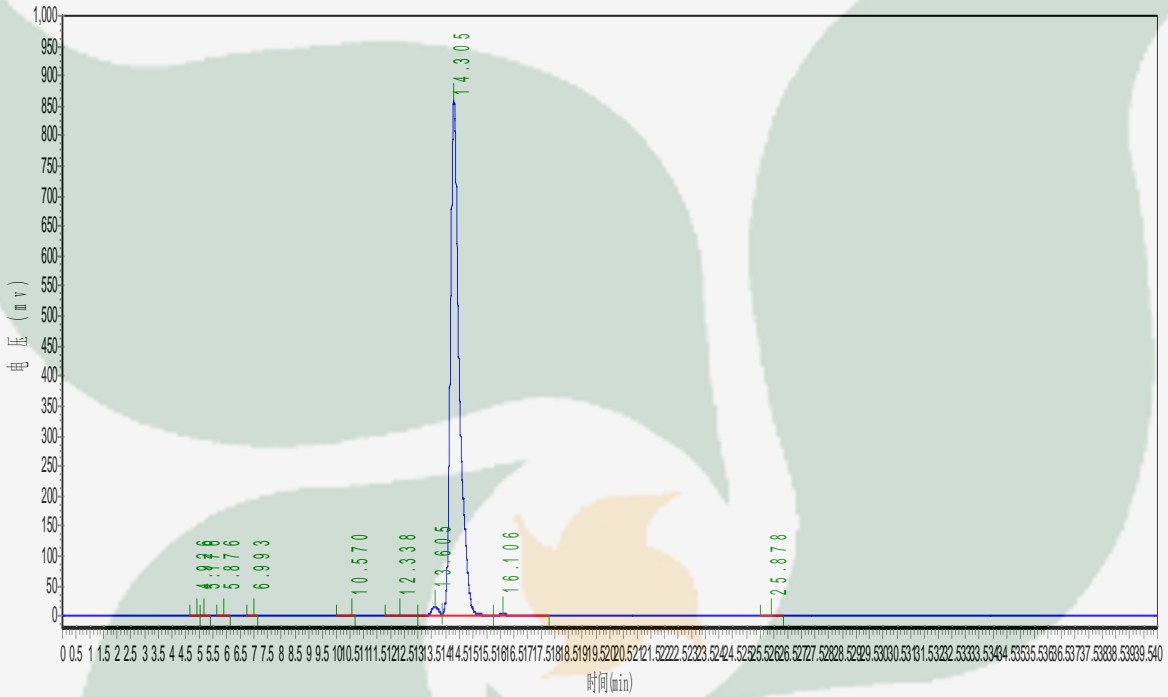
Analyst

Checker

Manager

Product Analysis Report

Product Name: Alantolactone **Chrom-Column:** C18
Lot Number: 18042022 **Mobile Phase:** ACN:H2O(65:35)
Temperature: 25°C **Wavelength:** 220nm
Detect Time: 2018-04-20 **Inject Vol:** 20ul
Sample dissolution: 50%ACN **Flow:** 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.926	155.055	1823.873	0.0092
2	5.176	360.868	3738.427	0.0189
3	5.876	400.600	5174.580	0.0261
4	6.993	122.089	1202.200	0.0061
5	10.570	43.765	1173.987	0.0059
6	12.338	260.949	6237.080	0.0315
7	13.605	14826.580	276481.500	1.3961
8	14.305	851829.063	19421944.000	98.0728
9	16.106	2810.832	84405.867	0.4262
10	25.878	45.360	1410.900	0.0071