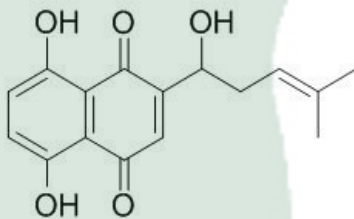


PRODUCT ID	E-0403	Structure 
PRODUCT	Shikonin/紫草素	
STANDARD TYPE	Quantitative Reference Standard/ 含量测定	
LOT NUMBER	17071241	
ASSAY METHOD	HPLC,NMR	
DATE OF SAMPLE	2017-07-12	
DATE OF REPORT	2017-07-12	

CHEMICAL NAME

OTHER NAME

CHEMICAL FORMULA

C₁₆H₁₆O₅

MOLECULAR WEIGHT(MW)

288.3

CAS NUMBER

517-89-5; 54952-43-1

CHEMICAL FAMILY

Quinones醌类

FROM

紫草科植物紫草Lithosperma erythrorhizon Sieb. et Zucc. 的根

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK363—2007	NLT ≥98.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK363—2007	NA	ND
Water	Q/TFFK363—2007	≤2%	Conforms
Appearance		Purple Powder	Conforms

STORAGE CONDITIONS

STORAGE

Refer to the label

SHELF LIFE

2 Years

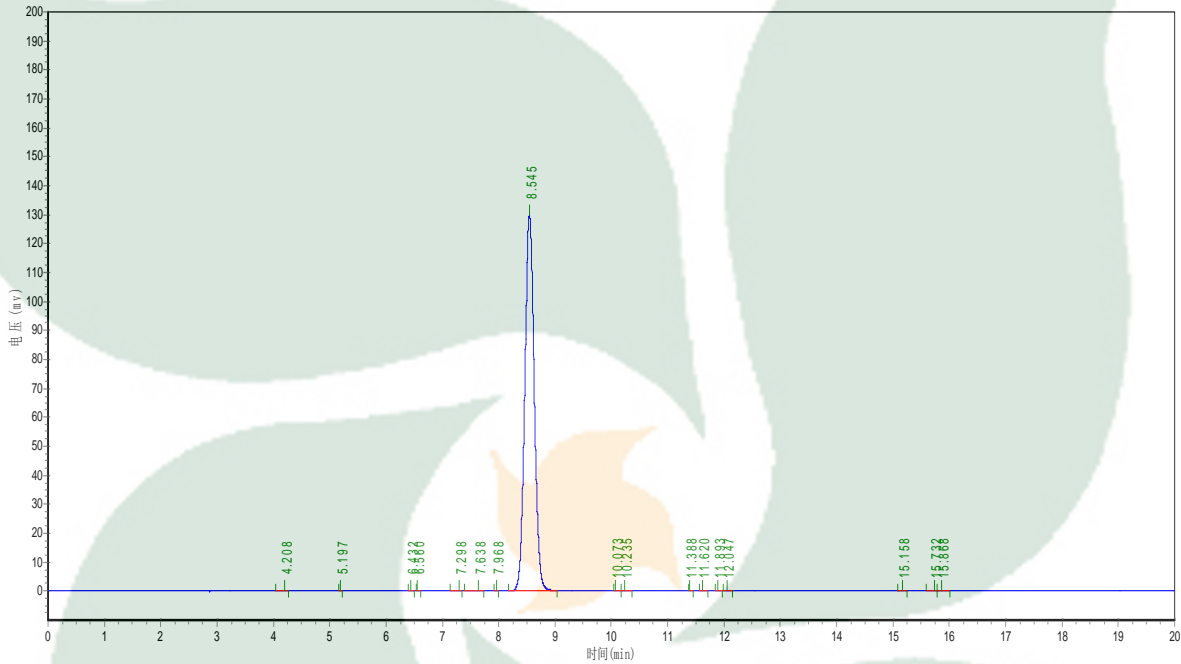
Analyst

Checker

Manager

Product Analysis Report

Product Name: Shikonin **Chrom-Column:** C18
Lot Number: 17071241 **Mobile Phase:** MeOH:0.1%H3PO4=80:20
Detector: UV **Wavelength:** 515nm
Detect Time: 2017-07-12 **Inject Vol:** 20ul
Analyst: zhanghong **Flow:** 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.208	38.993	282.200	0.0187
2	5.197	27.000	43.000	0.0028
3	6.432	49.689	122.900	0.0081
4	6.560	42.625	81.400	0.0054
5	7.298	45.786	278.800	0.0184
6	7.638	84.044	924.000	0.0611
7	7.968	38.261	91.600	0.0061
8	8.545	129713.305	1508929.375	99.7309
9	10.073	52.421	216.100	0.0143
10	10.235	46.959	297.150	0.0196
11	11.388	60.392	156.600	0.0104
12	11.620	45.462	218.850	0.0145
13	11.893	44.421	189.000	0.0125
14	12.047	42.338	163.843	0.0108
15	15.158	41.863	182.461	0.0121
16	15.732	48.868	343.577	0.0227
17	15.868	71.204	480.585	0.0318