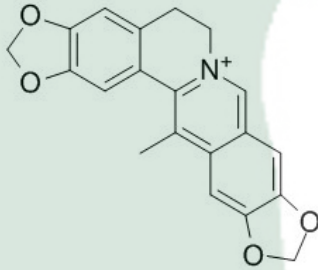


PRODUCT ID	E-1047	Structure 
PRODUCT	Worenine/甲基黄连碱	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	16120521	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2016-12-05	
DATE OF REPORT	2016-12-05	

CHEMICAL NAME

OTHER NAME

CHEMICAL FORMULA

C₂₀H₁₆NO₄⁺

MOLECULAR WEIGHT(MW)

334.34534

CAS NUMBER

38763-29-0

CHEMICAL FAMILY

Alkaloids生物碱

FROM

黄连*Coptis chinensis* Franch

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK745—2010	NLT ≥96.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK745—2010	NA	ND
Water	Q/TFFK745—2010	≤2%	Conforms
Appearance		Yellow Powder	Conforms

STORAGE CONDITIONS

STORAGE

Refer to the label

SHELF LIFE

2 Years

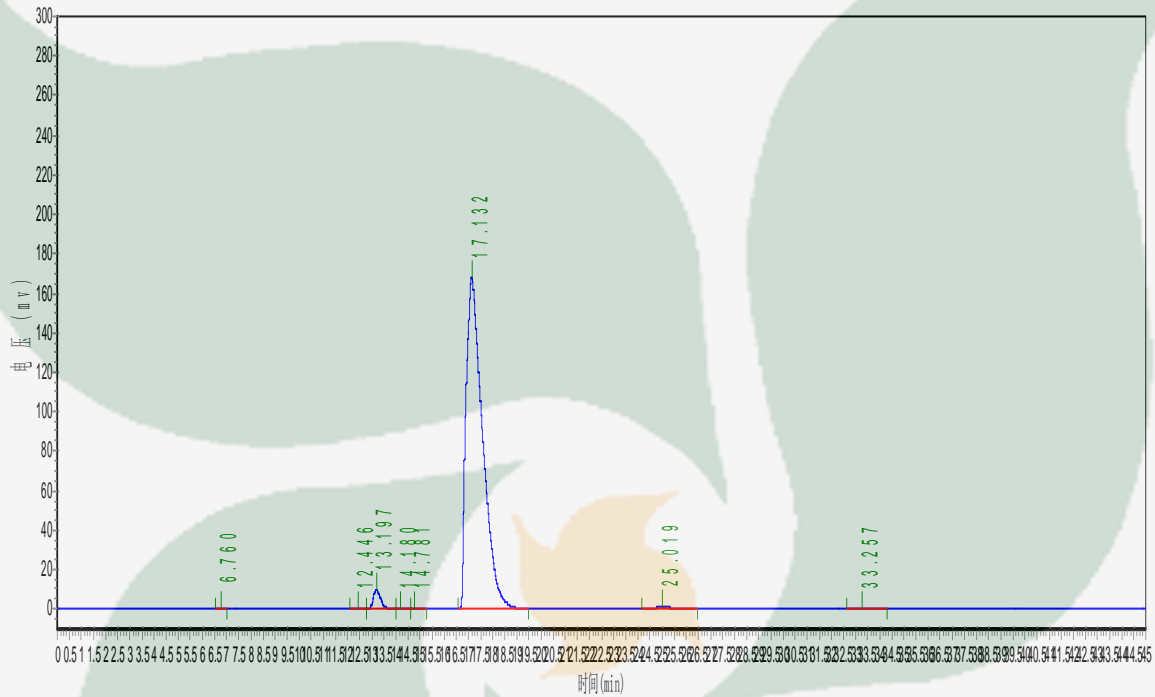
Analyst

Checker

Manager

Product Analysis Report

Product Name: Worenine **Chrom-Column:** C18
Lot Number: 16120521 **Mobile Phase:** ACN:0.1%H3PO4=25:75
Detector: UV **Wavelength:** 280nm
Detect Time: 2016-12-05 **Inject Vol:** 20ul
Analyst: shuzhilin **Flow:** 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	6.760	435.820	5169.900	0.0626
2	12.446	465.371	9363.227	0.1133
3	13.197	9461.778	206014.531	2.4933
4	14.180	268.312	6257.198	0.0757
5	14.781	169.638	3658.302	0.0443
6	17.132	167431.141	7960936.500	96.3470
7	25.019	1595.116	63472.801	0.7682
8	33.257	174.041	7900.900	0.0956