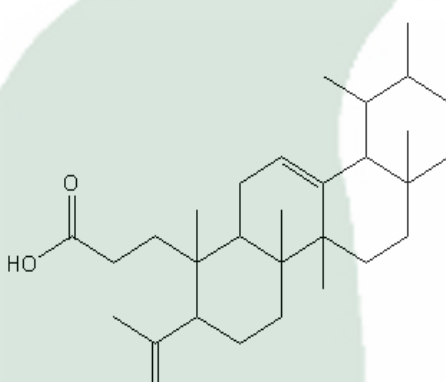


PRODUCT ID	E-0259	Structure 
PRODUCT	Roburic acid /栎樱酸	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	14041622	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2014-04-16	
DATE OF REPORT	2014-04-16	

CHEMICAL NAME 3,4-Secoursa-4(23),12-dien-3-oic acid (7CI)

OTHER NAME

CHEMICAL FORMULA C₃₀H₄₈O₂

MOLECULAR WEIGHT(MW) 440.71

CAS NUMBER 6812-81-3

CHEMICAL FAMILY

FROM 大叶秦艽 *Gentiana macrophylla* Pall. 的根

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK224—2007	NLT ≥96.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK224—2007	NA	ND
Water	Q/TFFK224—2007	≤2%	Conforms
Appearance		White Powder	Conforms

STORAGE CONDITIONS

STORAGE Refer to the label

SHELF LIFE 2 Years

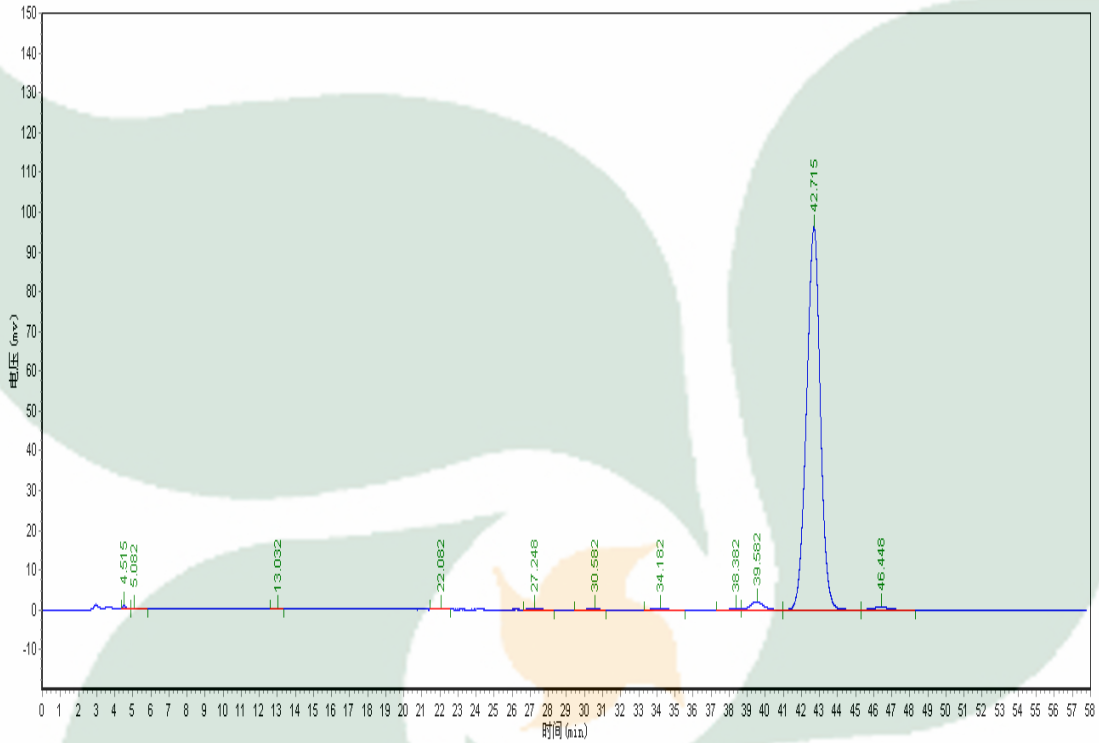
Analyst

Checker

Manager

Product Analysis Report

Product Name: Roburic acid Chrom-Column: C18
Lot Number: 14041622 Mobile Phase: ACN:AcOH (100:0.06)
Temperature: 20°C Wavelength: 209nm
Detect Time: 2014-04-16 Inject Vol: 20µL
Analyst: xiayuexia Flow: 1ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.515	979.210	10928.400	0.2070
2	5.082	295.150	5432.800	0.1029
3	13.032	219.577	4703.815	0.0891
4	22.082	143.771	4258.200	0.0807
5	27.248	166.952	6218.786	0.1178
6	30.582	97.692	4165.700	0.0789
7	34.182	286.118	12474.000	0.2363
8	38.382	135.388	5566.994	0.1055
9	39.582	1997.824	101200.070	1.9172
10	42.715	95934.961	5083494.000	96.3059
11	46.448	695.321	40042.617	0.7586