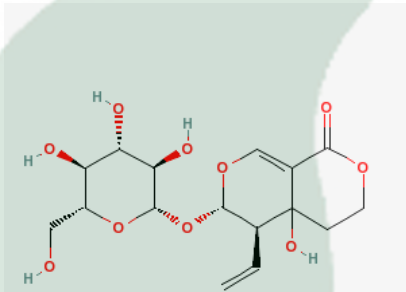


PRODUCT ID	E-0334	Structure 
PRODUCT	Swertiamarine / 獐牙菜苦苷	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	17110941	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2017-11-09	
DATE OF REPORT	2017-11-09	

CHEMICAL NAME

(5R,6S)-5-ethenyl-4a-hydroxy-6-[(2S,3R,4S,5S,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-3,4,5,6-tetrahydropyrano[3,4-c]pyran-1-one

OTHER NAME

Swertiamaroside

CHEMICAL FORMULA
 $C_{16}H_{22}O_{10}$
MOLECULAR WEIGHT(MW)

374.33988

CAS NUMBER

17388-39-5

CHEMICAL FAMILY

Sesquiterpenoids 倍半萜类

FROM

 龙胆科獐牙菜 *Swertia bimaculata* (Sieb.et Zucc.)Hook.f.et Thoms.ex Clarke

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK231—2007	NLT \geq 96.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK231—2007	NA	ND
Water	Q/TFFK231—2007	\leq 2%	Conforms
Appearance		Yellow Powder	Conforms

STORAGE CONDITIONS

STORAGE

Refer to the label

SHELF LIFE

2 Years

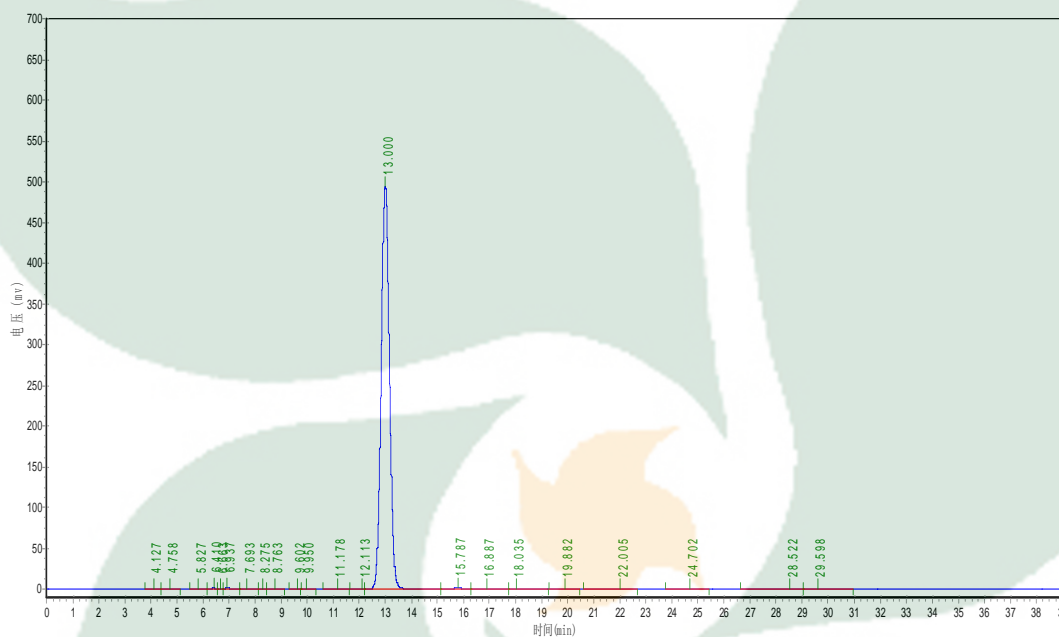
Analyst

Checker

Manager

Product Analysis Report

Product Name: Swertiamarine Chrom-Column: C18
 Lot Number: 17110941 Mobile Phase: MeOH:H2O=25:75
 Temperature: 25°C Wavelength: 225nm
 Detect Time: 2017-11-09 Inject Vol: 20μL
 Analyst: zhanghong Flow: 1ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.127	616.962	8460.900	0.0761
2	4.758	171.576	3043.400	0.0274
3	5.827	428.933	6867.799	0.0618
4	6.410	1004.069	11663.646	0.1050
5	6.663	706.413	8476.625	0.0763
6	6.937	1211.432	16810.412	0.1513
7	7.693	316.403	6767.384	0.0609
8	8.275	165.486	1488.901	0.0134
9	8.763	206.204	3765.400	0.0339
10	9.602	126.294	1955.387	0.0176
11	9.950	213.259	3286.725	0.0296
12	11.178	174.507	4610.950	0.0415
13	12.113	99.894	1644.223	0.0148
14	13.000	494312.250	10916935.000	98.2518
15	15.787	1410.033	42502.148	0.3825

16	16.887	625.664	30003.873	0.2700
17	18.035	98.586	4420.090	0.0398
18	19.882	66.502	1800.250	0.0162
19	22.005	613.565	26954.449	0.2426
20	24.702	51.123	1746.600	0.0157
21	28.522	98.102	4236.564	0.0381
22	29.598	83.583	3735.811	0.0336

