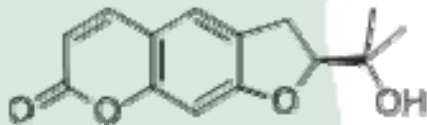


PRODUCT ID	E-1156	Structure 
PRODUCT	Marmesin/异紫花前胡内酯	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	18051121	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2018-05-11	
DATE OF REPORT	2018-05-11	

OTHER NAME (+)-Marmesin;(S)-Marmesin;S-(+)-Marmesin

CHEMICAL FORMULA C₁₄H₁₄O₄

MOLECULAR WEIGHT(MW) 246.28

CAS NUMBER 13849-08-6

CHEMICAL FAMILY Lactones

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK675—2010	NLT ≥98.0%	99.3%
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK675—2010	NA	ND
Water	Q/TFFK675—2010	≤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:

Marmesin

Chrom-Column C18

Lot Number:

18051121

Mobile Phase: ACN:0.1%H3PO4(25%-40%)

Detector:

UV

Wavelength:

334nm

Detect Time:

2018-05-11

Inject Vol:

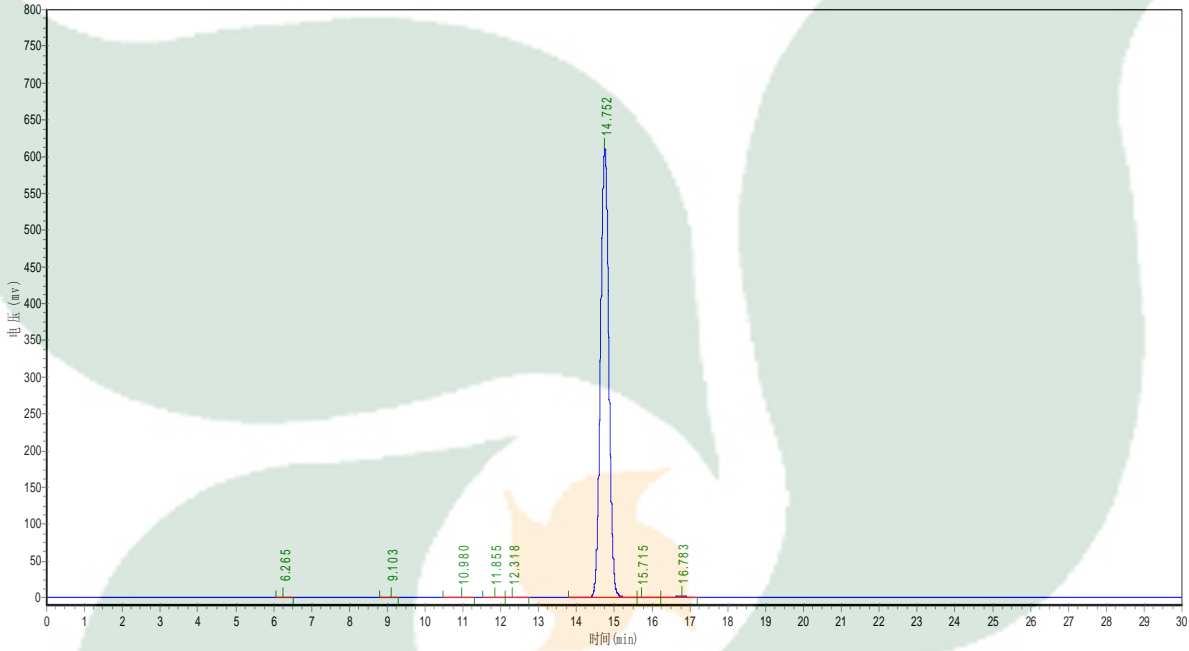
20ul

Sample dissolution:

MeOH

Flow:

1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	6.265	596.762	5888.550	0.0628
2	9.103	249.244	3470.000	0.0370
3	10.980	151.826	2771.600	0.0295
4	11.855	99.598	1326.632	0.0141
5	12.318	113.574	1687.804	0.0180
6	14.752	610787.188	9323047.000	99.3749
7	15.715	215.367	4344.566	0.0463
8	16.783	2328.242	39154.645	0.4174