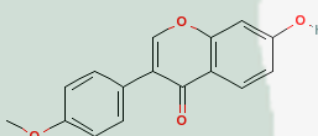


PRODUCT ID	E-0216	Structure 
PRODUCT	Formononetin / 芒柄花素/刺芒柄花素	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	16122221	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2016-12-22	
DATE OF REPORT	2016-12-22	

CHEMICAL NAME 7-hydroxy-3-(4-methoxyphenyl)chromen-4-one

OTHER NAME 7-Hydroxy-4'-methoxyisoflavone

CHEMICAL FORMULA C₁₆H₁₂O₄

MOLECULAR WEIGHT(MW) 268.26408

CAS NUMBER 485-72-3

CHEMICAL FAMILY Flavonoids黄酮类

FROM Maackia amurensis Rupr.et Maxim.

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK217—2007	NLT ≥98.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK217—2007	NA	ND
Water	Q/TFFK217—2007	≤2%	Conforms
Appearance		White Powder	Conforms

STORAGE CONDITIONS

STORAGE Refer to the label

SHELF LIFE 2 Years

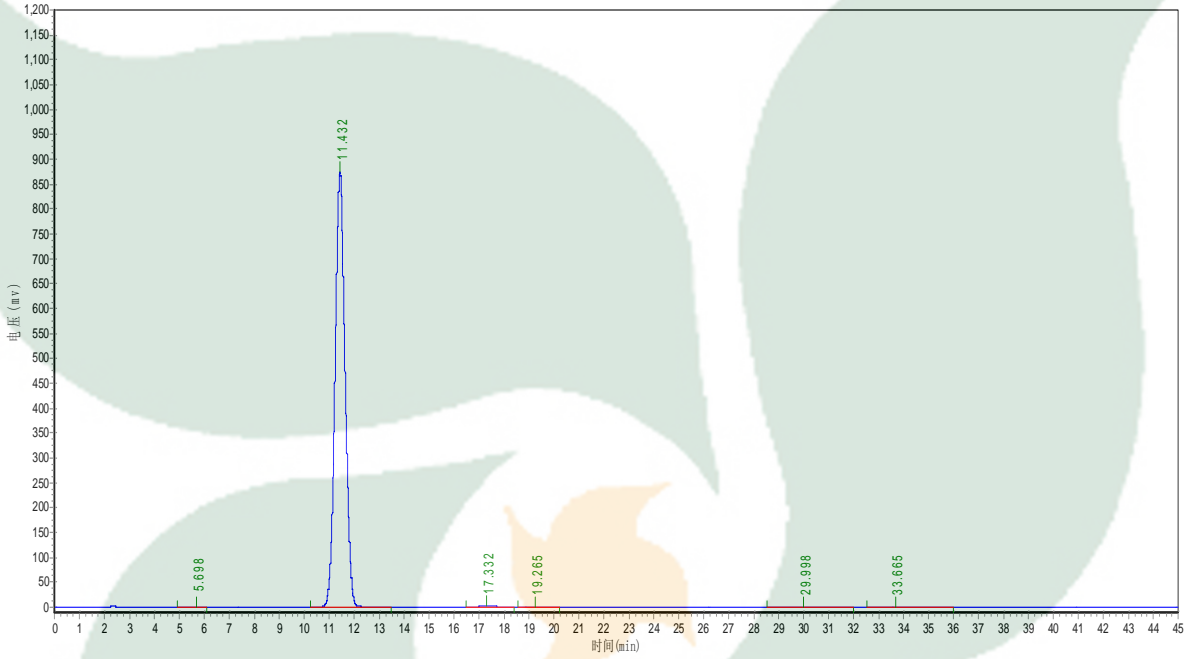
Analyst

Checker

Manager

Product Analysis Report

Product Name: Formononetin **Chrom-Column:** C18
Lot Number: 16122221 **Mobile Phase:** MeOH:0.1%H3PO4=65:35
Temperature: 25°C **Wavelength:** 260nm
Detect Time: 2016-12-22 **Inject Vol:** 20ul
Analyst: zhanghong **Flow:** 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	5.698	1155.834	21893.900	0.0896
2	11.432	872913.188	24214652.000	99.0432
3	17.332	3466.051	133280.594	0.5451
4	19.265	256.220	11215.100	0.0459
5	29.998	587.731	42988.000	0.1758
6	33.665	372.019	24559.000	0.1005