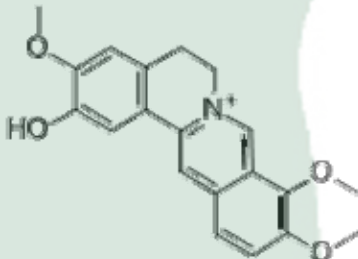


PRODUCT ID	E-1003	Structure 
PRODUCT	Columbamin/非洲防己碱	
STANDARD TYPE	Quantitative Reference Standard/ 含量测定	
LOT NUMBER	18041021	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2018-04-10	
DATE OF REPORT	2018-04-10	

OTHER NAME	NA
CHEMICAL FORMULA	C ₂₀ H ₂₀ NO ₄
MOLECULAR WEIGHT(MW)	338.38
CAS NUMBER	3621-36-1
CHEMICAL FAMILY	Alkaloids

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK713—2010	NLT ≥98.0%	99.3%
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK713—2010	NA	ND
Water	Q/TFFK713—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:

Columbamin

Chrom-Color Arcus C18

Lot Number:

18041021

Mobile Phase ACN:0.01MNaH2PO4=22:78

Detector:

UV

Wavelength: 270nm

Detect Time:

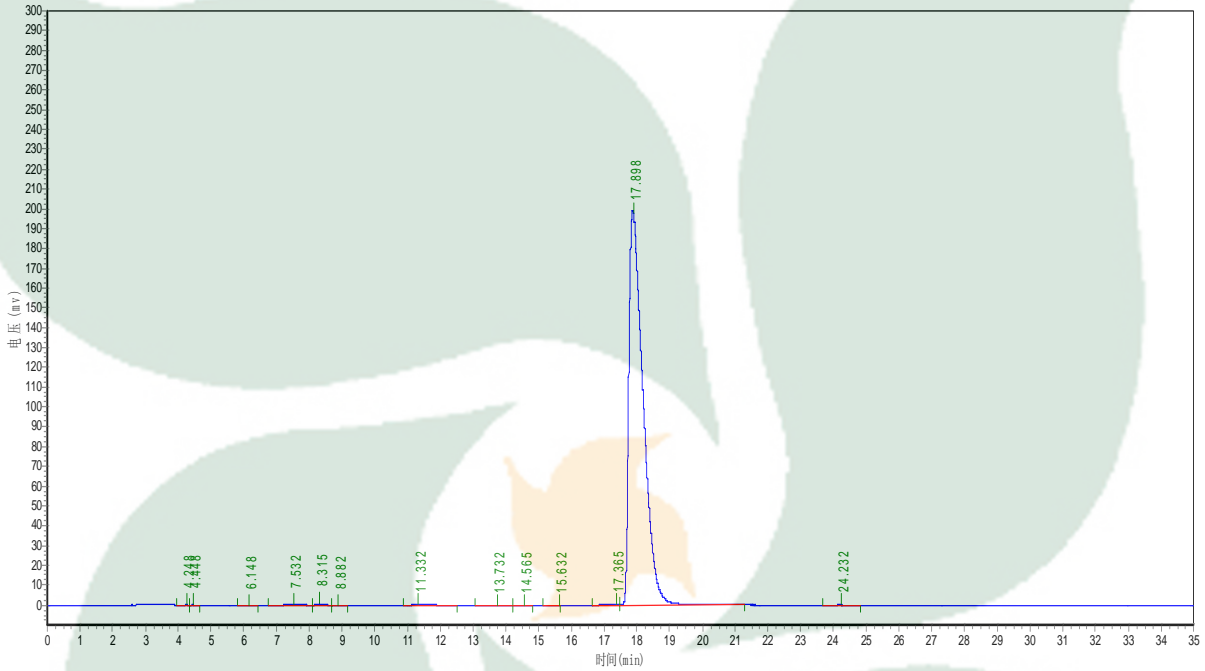
2018-04-10

Inject Vol: 20ul

Sample dissolution:

MeOH:0.01MNaH2PO4=1:1

Flow: 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.248	148.000	2107.300	0.0351
2	4.448	104.000	1019.300	0.0170
3	6.148	47.595	583.400	0.0097
4	7.532	142.731	6139.517	0.1024
5	8.315	717.462	9492.358	0.1583
6	8.882	57.821	836.624	0.0140
7	11.332	521.640	11704.200	0.1952
8	13.732	55.000	1258.700	0.0210
9	14.565	17.556	343.100	0.0057
10	15.632	5.688	187.800	0.0031
11	17.365	75.500	2036.100	0.0340
12	17.898	198667.500	5959345.500	99.3807
13	24.232	49.343	1426.900	0.0238