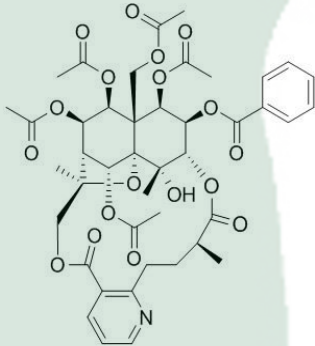


PRODUCT ID	E-0716	<p>Structure</p> 
PRODUCT	Wilforine/雷公藤次碱	
STANDARD TYPE	Quantitative Reference Standard/ 含量测定	
LOT NUMBER	18030524	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2018-03-05	
DATE OF REPORT	2018-03-05	

OTHER NAME	NA
CHEMICAL FORMULA	C43H49NO18
MOLECULAR WEIGHT(MW)	867.84506
CAS NUMBER	11088-09-8
CHEMICAL FAMILY	Alkaloids

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK165—2007	NLT ≥98.0%	98.1%
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK165—2007	NA	ND
Water	Q/TFFK165—2007	≤2%	Conforms
Appearance		White Powder	Conforms

STORAGE CONDITIONS

STORAGE	Refer to the label
SHELF LIFE	2 Years

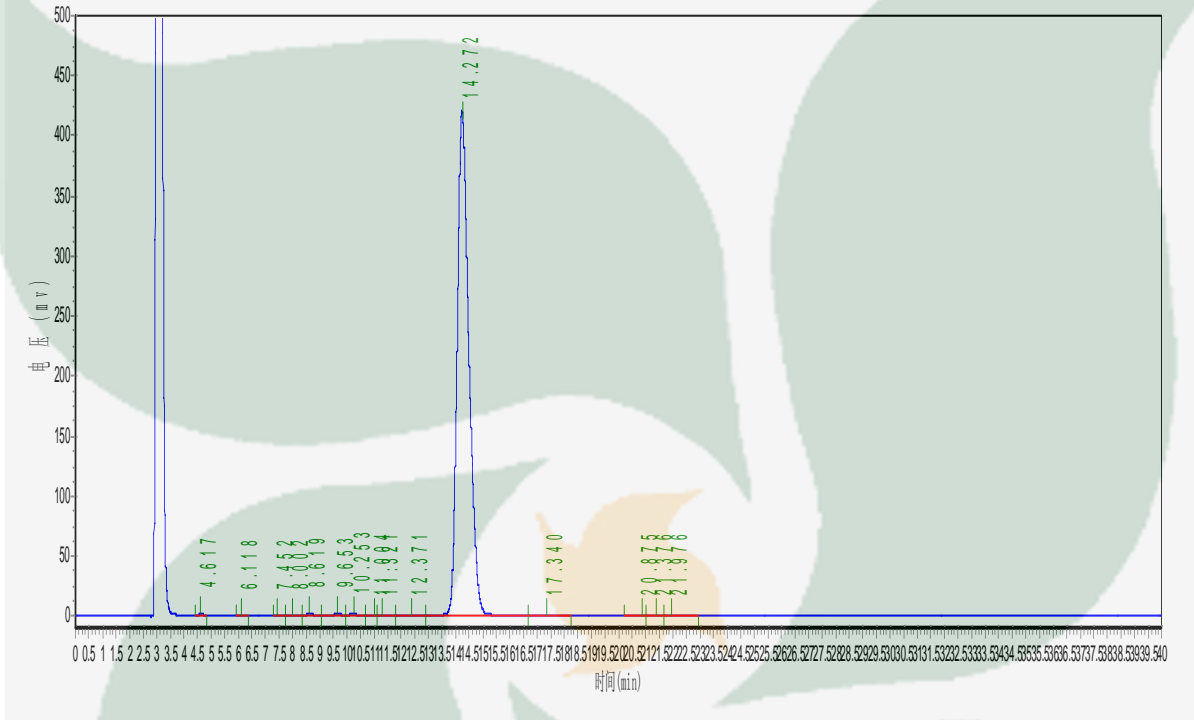
Analyst

Checker

Manager

Product Analysis Report

Product Name: Wilforine **Chrom-Column:** C18
Lot Number: 18030524 **Mobile Phase:** MeOH:H2O=70:30
Temperature: 25°C **Wavelength:** 230nm
Detect Time: 2018-03-05 **Inject Vol:** 20ul
Sample dissolution: 50%acetone **Flow:** 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.617	2115.981	17510.100	0.1360
2	6.118	519.655	5274.800	0.0410
3	7.452	169.118	3628.567	0.0282
4	8.002	450.688	10887.090	0.0846
5	8.619	1728.448	34030.102	0.2644
6	9.653	1859.399	42660.996	0.3314
7	10.253	1620.112	36454.793	0.2832
8	11.004	473.253	8749.456	0.0680
9	11.321	632.157	15462.327	0.1201
10	12.371	765.155	28559.291	0.2219
11	14.272	418446.594	12631803.000	98.1386
12	17.340	182.335	10132.229	0.0787
13	20.875	153.802	4381.703	0.0340
14	21.376	297.785	8716.315	0.0677
15	21.976	339.165	13137.158	0.1021