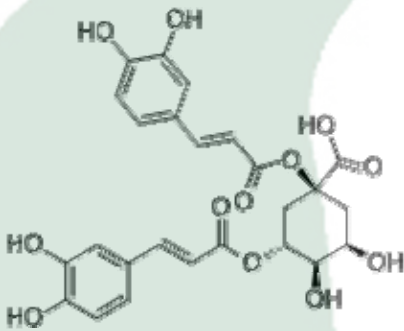


PRODUCT ID	E-0396	Structure 
PRODUCT	Cynarin /洋蓟素/1,3-二咖啡酰奎宁酸	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	17041325	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2017-04-13	
DATE OF REPORT	2017-04-13	

CHEMICAL NAME	1,4-bis[[<i>(E)</i> -3-(3,4-dihydroxyphenyl)prop-2-enoyl]oxy]-3,5-dihydroxycyclohexane-1-carboxylic acid
OTHER NAME	1,3-Dicaffeoylquinic acid
CHEMICAL FORMULA	C ₂₅ H ₂₄ O ₁₂
MOLECULAR WEIGHT(MW)	516.45086
CAS NUMBER	19870-46-3
CHEMICAL FAMILY	Phenolic Acids 酚酸类
FROM	菊科菜蓟属洋蓟 <i>Cynara scolymus</i> L.

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK5—2003	NLT ≥98.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK5—2003	NA	ND
Water	Q/TFFK5—2003	≤2%	Conforms
Appearance		White Powder	Conforms

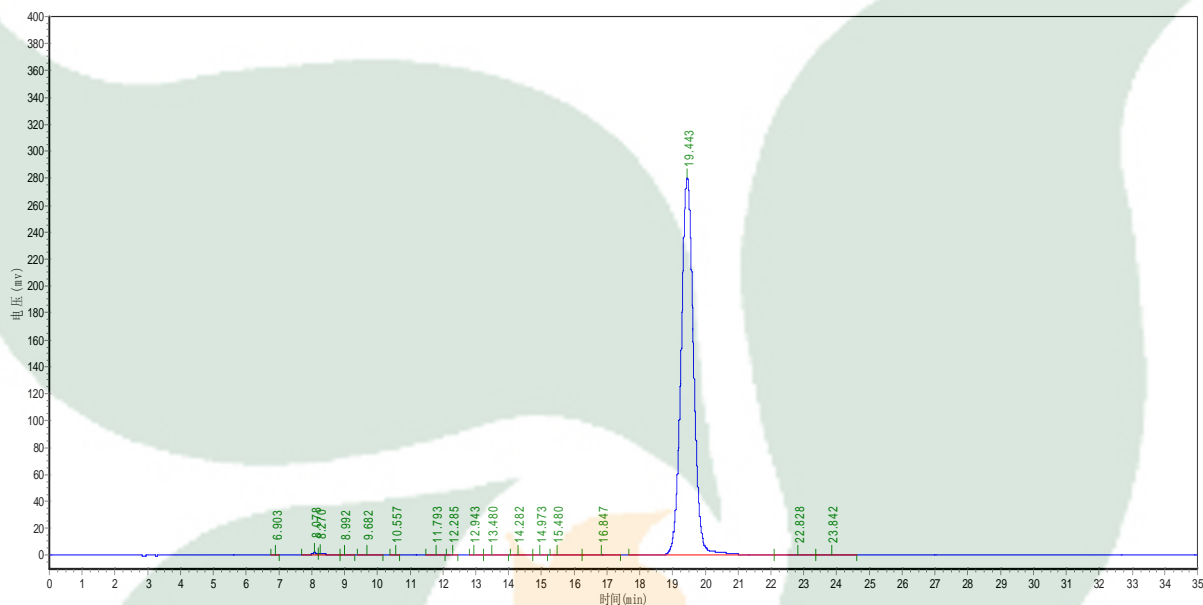
STORAGE CONDITIONS

STORAGE	Refer to the label
SHELF LIFE	2 Years

Analyst
Checker
Manager

Product Analysis Report

Product Name:	Cynarin	Chrom-Column:	C18
Lot Number:	17041325	Mobile Phase:	ACN:0.1%H3PO4=13:87
Temperature:	25°C	Wavelength:	320nm
Detect Time:	2017-04-13	Inject Vol:	20ul
Analyst:	zhanghong	Flow:	1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	6.903	29.695	253.100	0.0034
2	8.078	1723.748	21052.275	0.2794
3	8.270	1352.656	20310.422	0.2695
4	8.992	64.795	837.354	0.0111
5	9.682	50.738	1022.700	0.0136
6	10.557	39.333	334.600	0.0044
7	11.793	80.183	1402.900	0.0186
8	12.285	30.831	316.400	0.0042
9	12.943	28.000	240.750	0.0032
10	13.480	70.881	1871.118	0.0248
11	14.282	90.518	2343.186	0.0311
12	14.973	83.164	1724.821	0.0229
13	15.480	98.946	2724.445	0.0362
14	16.847	81.265	2199.828	0.0292
15	19.443	280361.656	7459938.500	99.0003
16	22.828	375.359	11805.100	0.1567
17	23.842	227.160	6893.943	0.0915