



**同田生物**  
**TAUTO BIOTECH**

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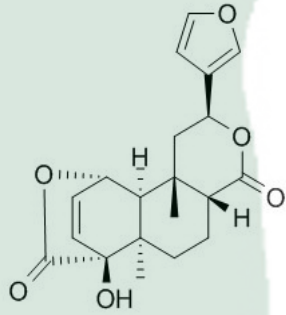
86-21-51320588-8008/8035/8026/8025

传真：86-21-51320502

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<b>PRODUCT ID</b>	E-0564	<b>Structure</b>  
<b>PRODUCT</b>	Columbin/古伦宾	
<b>STANDARD TYPE</b>	Quantitative Reference Material (含量测定)	
<b>LOT NUMBER</b>	16101724	
<b>ASSAY METHOD</b>	HPLC,MS,NMR	
<b>DATE OF SAMPLE</b>	2016-10-17	
<b>DATE OF REPORT</b>	2016-10-17	

**CHEMICAL NAME**

**OTHER NAME**

Columbin

**CHEMICAL FORMULA**

C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>

**MOLECULAR WEIGHT(MW)**

358.4

**CAS NUMBER**

546-97-4

**CHEMICAL FAMILY**

Diterpenoids二萜类

**FROM**

金果榄Radix Tinosporae

**ANALYTICAL RESULT**

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK643—2010	NLT ≥98.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK643—2010	NA	ND
Water	Q/TFFK643—2010	≤2%	Conforms
Appearance		White Crystal	Conforms

**STORAGE CONDITIONS**

STORAGE

Refer to the label

SHELF LIFE

2 Years

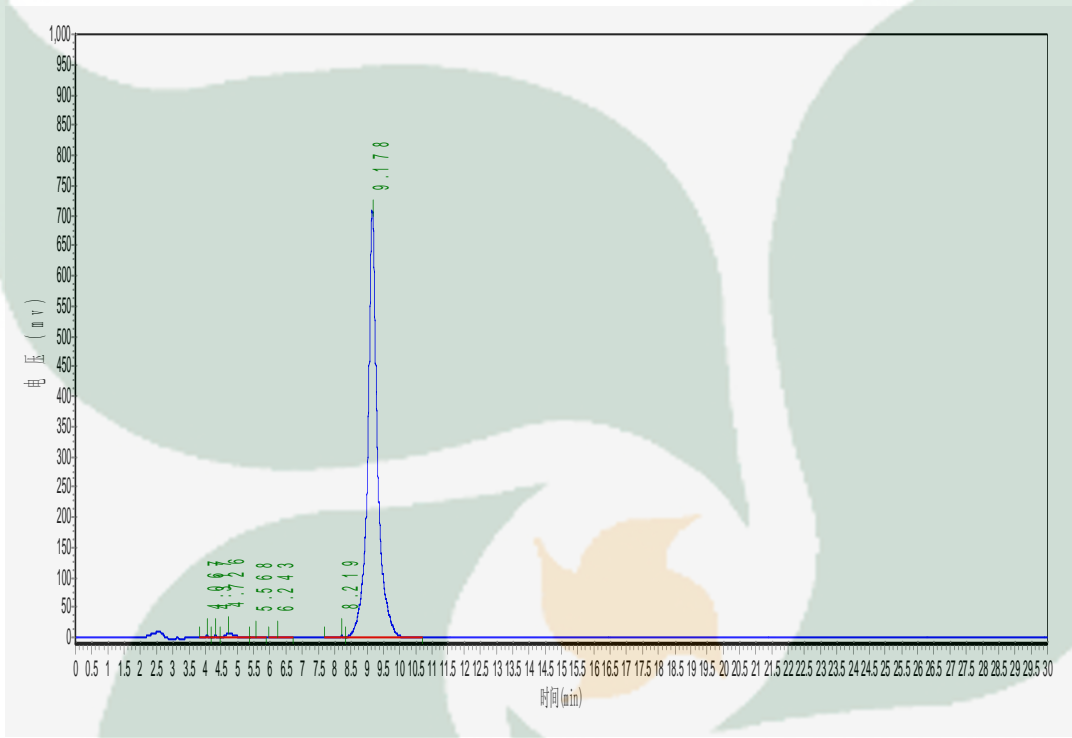
Analyst

Checker

Manager

# Product Analysis Report

**Product Name:** Columbin      **Chrom-Column:** C18  
**Lot Number:** 16101724      **Mobile Phase:** ACN: H2O (40: 60)  
**Detector:** UV      **Wavelength:** 210nm  
**Detect Time:** 2016-10-17      **Inject Vol:** 20ul  
**Analyst:** shuzhilin      **Flow:** 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	4.067	3246.634	34682.566	0.2299
2	4.317	2583.561	27226.863	0.1805
3	4.726	8462.008	153833.094	1.0197
4	5.568	964.195	13378.379	0.0887
5	6.243	1138.333	15937.400	0.1056
6	8.219	1897.989	28445.678	0.1886
7	9.178	704762.563	14813000.000	98.1871