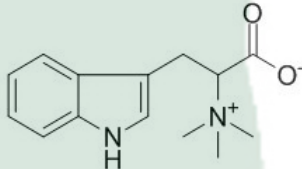


PRODUCT ID	E-1151	<p>Structure</p> 
PRODUCT	Hypaphorine/刺桐碱	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	17042527	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2017-04-25	
DATE OF REPORT	2017-04-25	

CHEMICAL NAME

OTHER NAME

tryptophan betaine

CHEMICAL FORMULA

C₁₄H₁₈N₂O₂

MOLECULAR WEIGHT(MW)

246.3

CAS NUMBER

487-58-1

CHEMICAL FAMILY

Alkaloids生物碱

FROM

王不留行SEMEN VACCARIAE

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK324—2004	NLT ≥98.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK324—2004	NA	ND
Water	Q/TFFK324—2004	≤2%	Conforms
Appearance		Pale White Powder	Conforms

STORAGE CONDITIONS

STORAGE

Refer to the label

SHELF LIFE

2 Years

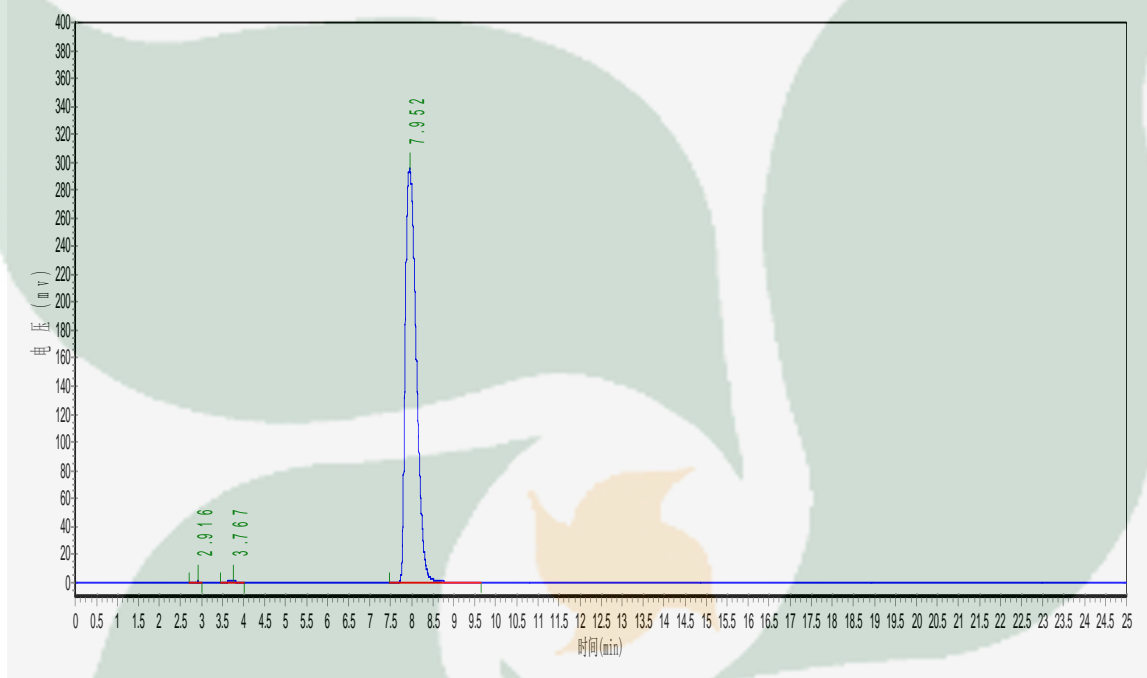
Analyst

Checker

Manager

Product Analysis Report

Product Name: Hypaphorine Chrom-Column: C18
Lot Number: 17042527 Mobile Phase: ACN:0.1%H3PO4=15:85
Detector: UV Wavelength: 280nm
Detect Time: 2017-04-25 Inject Vol: 20ul
Analyst: shuzhilin Flow: 1.0ml/min



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	2.916	1049.306	7092.300	0.1309
2	3.767	1653.101	20789.486	0.3838
3	7.952	295895.219	5388574.500	99.4852