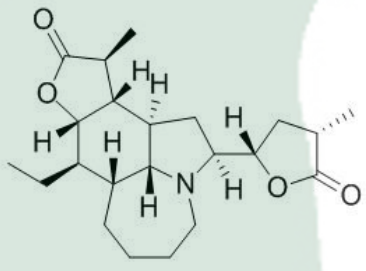


PRODUCT ID	E-0480	Structure 
PRODUCT	Tuberosstemonine/对叶百部碱	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	18041822	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2018-4-18	
DATE OF REPORT	2018-4-18	

OTHER NAME	NA
CHEMICAL FORMULA	C ₂₂ H ₃₃ N ₄ O ₄
MOLECULAR WEIGHT(MW)	375.51
CAS NUMBER	6879-01-2
CHEMICAL FAMILY	Alkaloids

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK20—2004	NLT ≥98.0%	99.9%
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK20—2004	NA	ND
Water	Q/TFFK20—2004	≤2%	Conforms
Appearance		White Powder	Conforms

STORAGE CONDITIONS

STORAGE	Refer to the label
SHELF LIFE	2 Years

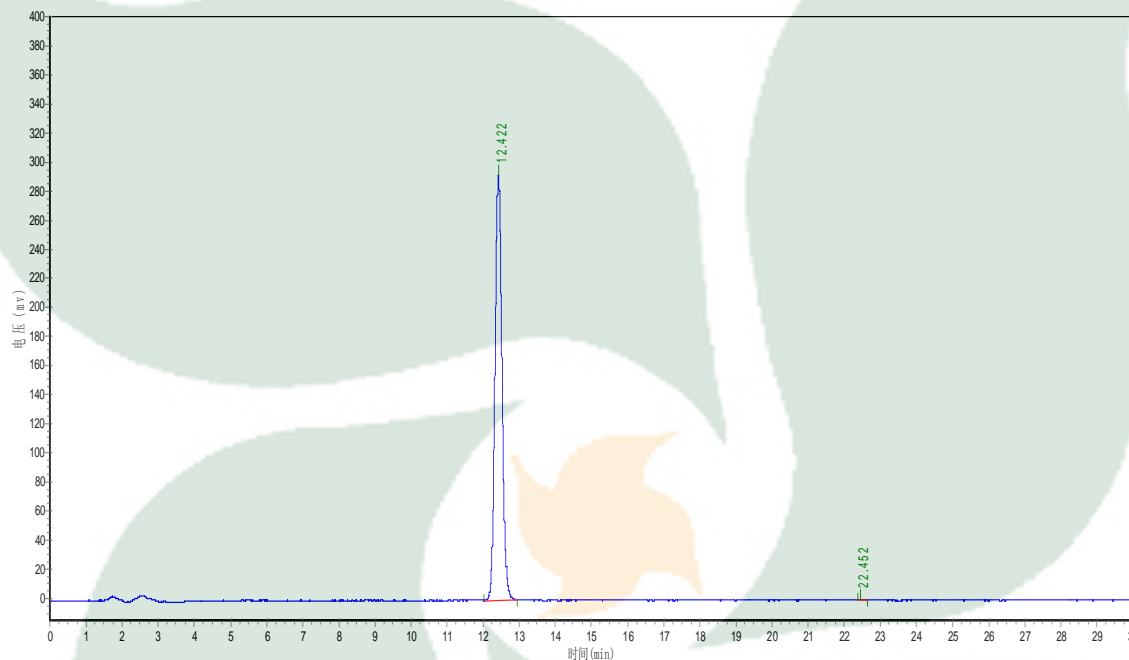
Analyst

Checker

Manager

Product Analysis Report

Product Name: Tuberostemonine **Chrom-Column:** Arcus C18
Lot Number: 18041822 **Mobile Phase:** ACN: 0.05%TEA=55:45
Detect Time: 2018-4-18 **Detector:** ELSD
Inject Vol: 20.0 μ L **Tube Temp:** 105 $^{\circ}$ C
Flow: 1.0ml/min **Gas Flow:** 2.5L/min
Sample dissolution: MeOH **Impactor:** Off



No.	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1	12.422	292741.344	3941394.250	99.9004
2	22.452	556.206	3929.999	0.0996