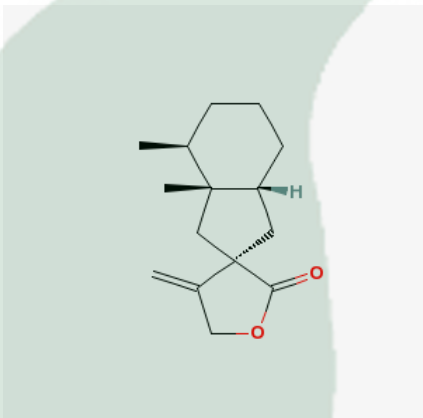


PRODUCT ID	E-0260	Structure 
PRODUCT	Bakkenolide /蜂斗菜内酯	
STANDARD TYPE	Quantitative Reference Material (含量测定)	
LOT NUMBER	13092632	
ASSAY METHOD	HPLC,MS,NMR	
DATE OF SAMPLE	2013-09-26	
DATE OF REPORT	2013-09-26	

CHEMICAL NAME

(2R,3aR,7S,7aR)-7,7a-dimethyl-4'-methylidenespiro[3,3a,4,5,6,7-hexahydro-1H-indene-2,3'-oxolane]-2'-one

OTHER NAME

Fukinanolide

CHEMICAL FORMULA

 C₁₅H₂₂O₂
MOLECULAR WEIGHT(MW)

234.33398

CAS NUMBER

19906-72-0

CHEMICAL FAMILY

Sesquiterpene 倍半萜

FROM

 菊科蜂斗菜属植物蜂斗菜 *Petasites japonicus* (Sieb. et Zucc.) Fr. Schmidt

ANALYTICAL RESULT

TEST	METHOD	SPECIFICATION	RESULT
HPLC	Q/TFFK274—2007	NLT ≥98.0%	Conforms
NMR		Conforms	Conforms
MS		Conforms	Conforms
Residual Solvent	Q/TFFK274—2007	NA	ND
Water	Q/TFFK274—2007	≤2%	Conforms
Appearance		White Powder	Conforms

STORAGE CONDITIONS

STORAGE

Refer to the label

SHELF LIFE

2 Years

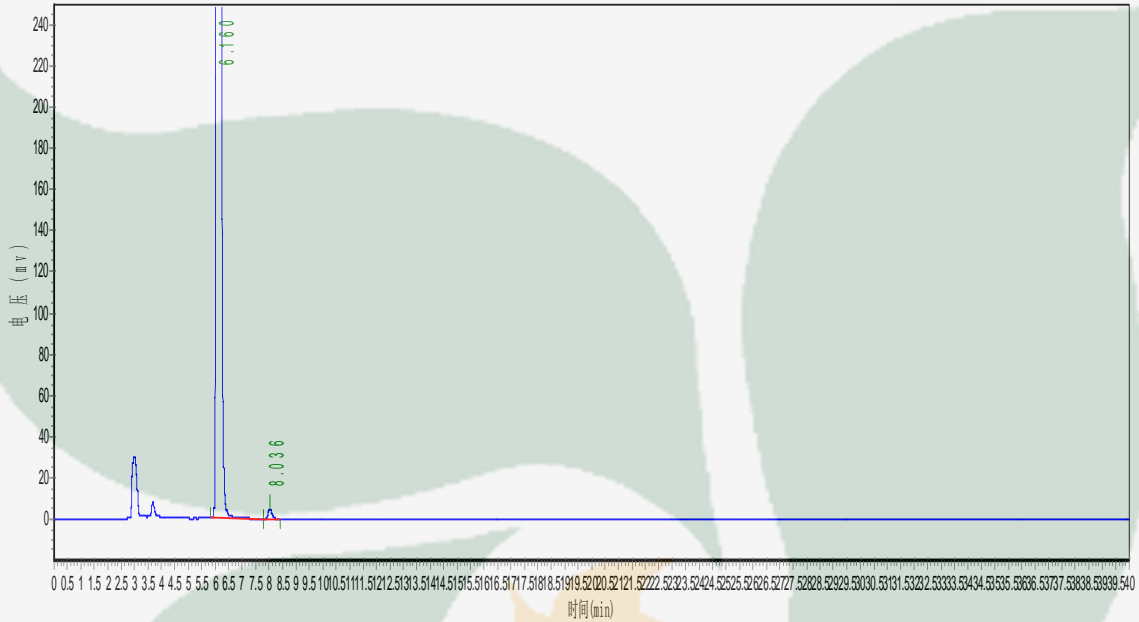
Analyst

Checker

Manager

Product Analysis Report

Product Name: Bakkenolide Chrom-Column: C18
Lot Number: 13092632 Mobile Phase: ACN: H₂O (89: 11)
Detector: UV Wavelength: 211nm
Detect Time: 2013-09-26 Inject Vol: 10ul
Analyst: zhang xiaoyong Flow: 1.0ml/min



No.	Name	Ret.Time min	Height mAU	Area mAU*min	Rel.Area %
1		6.160	1099679.000	12179508.000	99.5983
2		8.036	4774.400	49127.102	0.4017