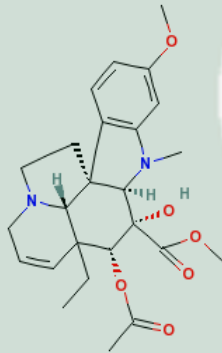


| | | |
|-----------------------|--|---|
| PRODUCT ID | E-0203 | Structure  |
| PRODUCT | Vindoline /文多灵 | |
| STANDARD TYPE | Quantitative Reference Material (含量测定) | |
| LOT NUMBER | 14112031 | |
| ASSAY METHOD | HPLC,MS,NMR | |
| DATE OF SAMPLE | 2014-11-20 | |
| DATE OF REPORT | 2014-11-20 | |

CHEMICAL NAME

Methyl 4-(acetyloxy)-3-hydroxy-16-methoxy-1-methyl-6,7-didehydroaspidospermidine-3-carboxylate

OTHER NAME
CHEMICAL FORMULA

 C₂₅H₃₂N₂O₆
MOLECULAR WEIGHT(MW)

456.53138

CAS NUMBER

2182-14-1

CHEMICAL FAMILY

Miscelianeous其他类

FROM

Catharanthus roseus (L.)G.Don

ANALYTICAL RESULT

| TEST | METHOD | SPECIFICATION | RESULT |
|------------------|----------------|---------------|----------|
| HPLC | Q/TFFK206—2007 | NLT ≥98.0% | Conforms |
| NMR | | Conforms | Conforms |
| MS | | Conforms | Conforms |
| Residual Solvent | Q/TFFK206—2007 | NA | ND |
| Water | Q/TFFK206—2007 | ≤2% | Conforms |
| Appearance | | White Powder | Conforms |

STORAGE CONDITIONS

STORAGE

Refer to the label

SHELF LIFE

2 Years

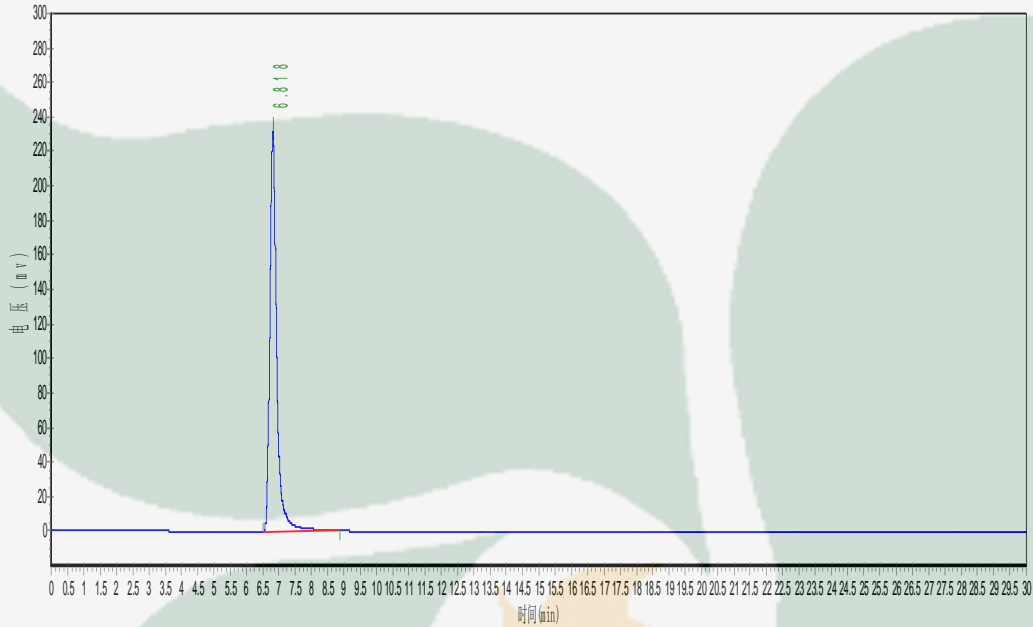
Analyst

Checker

Manager

Product Analysis Report

Product Name: Vindoline Chrom-Column: ArCUS C18
Lot Number: 14112031 Mobile Phase: ACN:0.02MNH4AC=53:47
Detector: UV Wavelength: 280nm
Detect Time: 2014-11-20 Inject Vol: 5ul
Analyst: xiayuexia Flow: 1.0ml/min



| No. | Ret.Time min | Height mAU | Area mAU*min | Rel.Area % |
|-----|-----------------|---------------|-----------------|---------------|
| 1 | 6.818 | 231828.203 | 3440163.000 | 100.0000 |