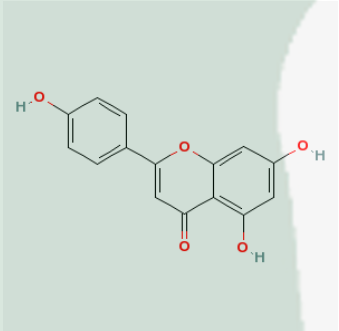


| | | |
|-----------------------|--|---|
| PRODUCT ID | E-0065 | Structure  |
| PRODUCT | Apigenin / 芹菜素 | |
| STANDARD TYPE | Quantitative Reference Material (含量测定) | |
| LOT NUMBER | 16040741 | |
| ASSAY METHOD | HPLC,MS,NMR | |
| DATE OF SAMPLE | 2016-04-07 | |
| DATE OF REPORT | 2016-04-07 | |

CHEMICAL NAME 5,7-dihydroxy-2-(4-hydroxyphenyl)chromen-4-one

OTHER NAME Apigenine

CHEMICAL FORMULA C₁₅H₁₀O₅

MOLECULAR WEIGHT(MW) 270.237

CAS NUMBER 520-36-5

CHEMICAL FAMILY Flavonoids 黄酮类

FROM Apium graveolens val.dulce

ANALYTICAL RESULT

| TEST | METHOD | SPECIFICATION | RESULT |
|------------------|---------------|--------------------|----------|
| HPLC | Q/TFFK56—2006 | NLT ≥97.0% | Conforms |
| NMR | | Conforms | Conforms |
| MS | | Conforms | Conforms |
| Residual Solvent | Q/TFFK56—2006 | NA | ND |
| Water | Q/TFFK56—2006 | ≤2% | Conforms |
| Appearance | | Pale Yellow Powder | Conforms |

STORAGE CONDITIONS

STORAGE Refer to the label

SHELF LIFE 2 Years

Analyst

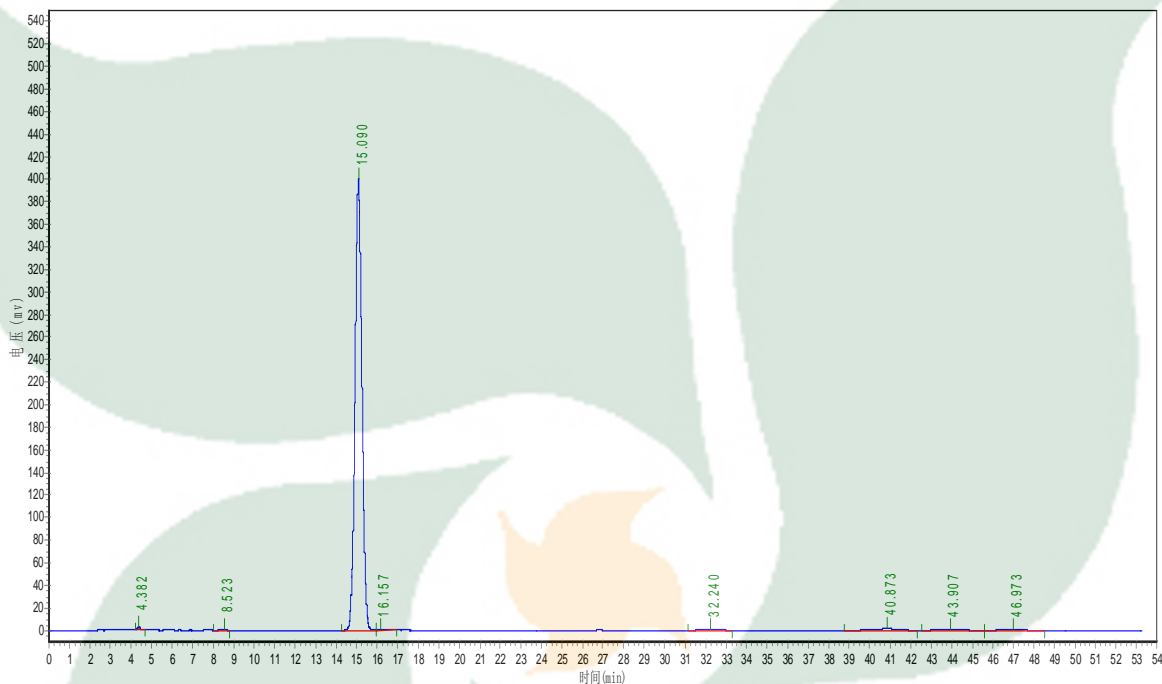
Checker

Manager

Product Analysis Report

Product Name: Apigenin
Lot Number: 16040741
Temperature: 25°C
Detect Time: 2016-04-07
Analyst: zhufangfang

Chrom-Column: Arcus C18
Mobile Phase: ACN: 0.1%H3PO4=33:67
Wavelength: 312nm
Inject Vol: 20μL
Flow: 1.0ml/min



| No. | Ret.Time min | Height mAU | Area mAU*min | Rel.Area % |
|-----|-----------------|---------------|-----------------|---------------|
| 1 | 4.382 | 2477.688 | 25323.391 | 0.2631 |
| 2 | 8.523 | 222.726 | 3641.400 | 0.0378 |
| 3 | 15.090 | 400367.688 | 9400418.000 | 97.6596 |
| 4 | 16.157 | 534.300 | 14886.896 | 0.1547 |
| 5 | 32.240 | 800.484 | 36271.301 | 0.3768 |
| 6 | 40.873 | 1506.009 | 86488.203 | 0.8985 |
| 7 | 43.907 | 797.457 | 48103.301 | 0.4997 |
| 8 | 46.973 | 130.795 | 10566.000 | 0.1098 |