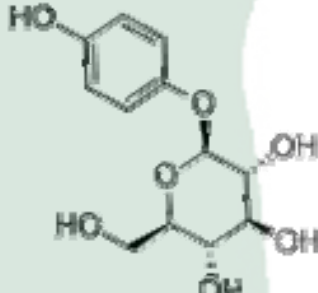


|                       |  |   |
|-----------------------|--|---|
| <b>PRODUCT ID</b>     | E-0077                                 | <b>Structure</b><br> |
| <b>PRODUCT</b>        | Arbutin/熊果苷                            |   |
| <b>STANDARD TYPE</b>  | Quantitative Reference Material (含量测定) |   |
| <b>LOT NUMBER</b>     | 18070941                               |   |
| <b>ASSAY METHOD</b>   | HPLC,MS,NMR                            |   |
| <b>DATE OF SAMPLE</b> | 2018-07-09                             |   |
| <b>DATE OF REPORT</b> | 2018-07-09                             |   |

**OTHER NAME** Hydroquinone-glucose; Arbutoside; Ericolin

**CHEMICAL FORMULA** C<sub>12</sub>H<sub>16</sub>O<sub>7</sub>

**MOLECULAR WEIGHT(MW)** 272.25124

**CAS NUMBER** 497-76-7

**CHEMICAL FAMILY** Triterpenes

#### ANALYTICAL RESULT

| TEST             | METHOD         | SPECIFICATION | RESULT   |
|------------------|----------------|---------------|----------|
| HPLC             | Q/TFFK104—2007 | NLT ≥98.0%    | 99.9%    |
| NMR              |                | Conforms      | Conforms |
| MS               |                | Conforms      | Conforms |
| Residual Solvent | Q/TFFK104—2007 | NA            | ND       |
| Water            | Q/TFFK104—2007 | ≤2%           | Conforms |
| Appearance       |                | White Powder  | Conforms |

#### STORAGE CONDITIONS

STORAGE Refer to the label

SHELF LIFE 2 Years

Analyst

Checker

Manager

# Product Analysis Report

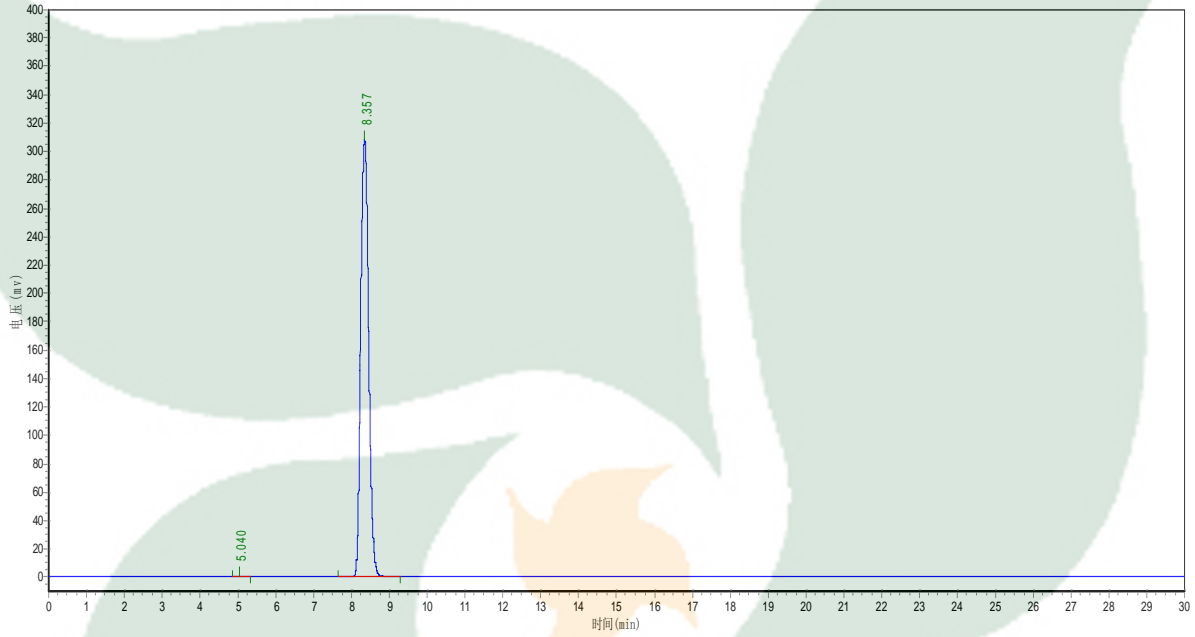
**Product Name:** Arbutin      **Chrom-Column:** C18

**Lot Number:** 18070941      **Mobile Phase:** MeOH:H2O=5:95

**Detector:** UV      **Wavelength:** 282nm

**Detect Time:** 2018-07-09      **Inject Vol:** 20ul

**Sample dissolution:** H2O      **Flow:** 1.0ml/min



| No. | Ret.Time<br>min | Height<br>mAU | Area<br>mAU*min | Rel.Area<br>% |
|-----|-----------------|---------------|-----------------|---------------|
| 1   | 5.040           | 292.818       | 2932.900        | 0.0651        |
| 2   | 8.357           | 308094.625    | 4501871.500     | 99.9349       |