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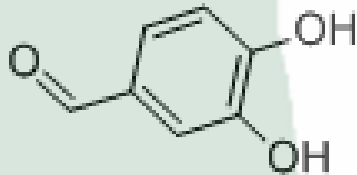
86-21-51320588-8008/8035/8026/8025

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|                |                                       |                                                                                                         |
|----------------|---------------------------------------|---------------------------------------------------------------------------------------------------------|
| PRODUCT ID     | E-0622                                | <b>Structure</b><br> |
| PRODUCT        | Protocatechuicaldehyde/原儿茶醛           |                                                                                                         |
| STANDARD TYPE  | Quantitative Reference Standard/ 含量测定 |                                                                                                         |
| LOT NUMBER     | 16012141                              |                                                                                                         |
| ASSAY METHOD   | HPLC,MS,NMR                           |                                                                                                         |
| DATE OF SAMPLE | 2016-01-21                            |                                                                                                         |
| DATE OF REPORT | 2016-01-21                            |                                                                                                         |

CHEMICAL NAME

3,4-dihydroxybenzaldehyde

OTHER NAME

protocatechuic aldehyde;protocatechualdehyde;

CHEMICAL FORMULA

C<sub>7</sub>H<sub>6</sub>O<sub>3</sub>

MOLECULAR WEIGHT(MW)

138.12

CAS NUMBER

139-85-5

CHEMICAL FAMILY

酚酸类

FROM

双子叶植物唇形科丹参Salvia miltiorrhiza Bge. 干燥根

ANALYTICAL RESULT

| TEST             |                | SPECIFICATION | RESULT   |
|------------------|----------------|---------------|----------|
| HPLC             | Q/TFFK713—2010 | NLT ≥98.0%    | Conforms |
| NMR              |                | Conforms      | Conforms |
| MS               |                | Conforms      | Conforms |
| Residual Solvent | Q/TFFK713—2010 | NA            | ND       |
| Water            | Q/TFFK713—2010 | ≤2%           | Conforms |
| Appearance       |                | White powder  | Conforms |

STORAGE CONDITIONS

STORAGE

Refer to the label

SHELF LIFE

2 Years

Analyst

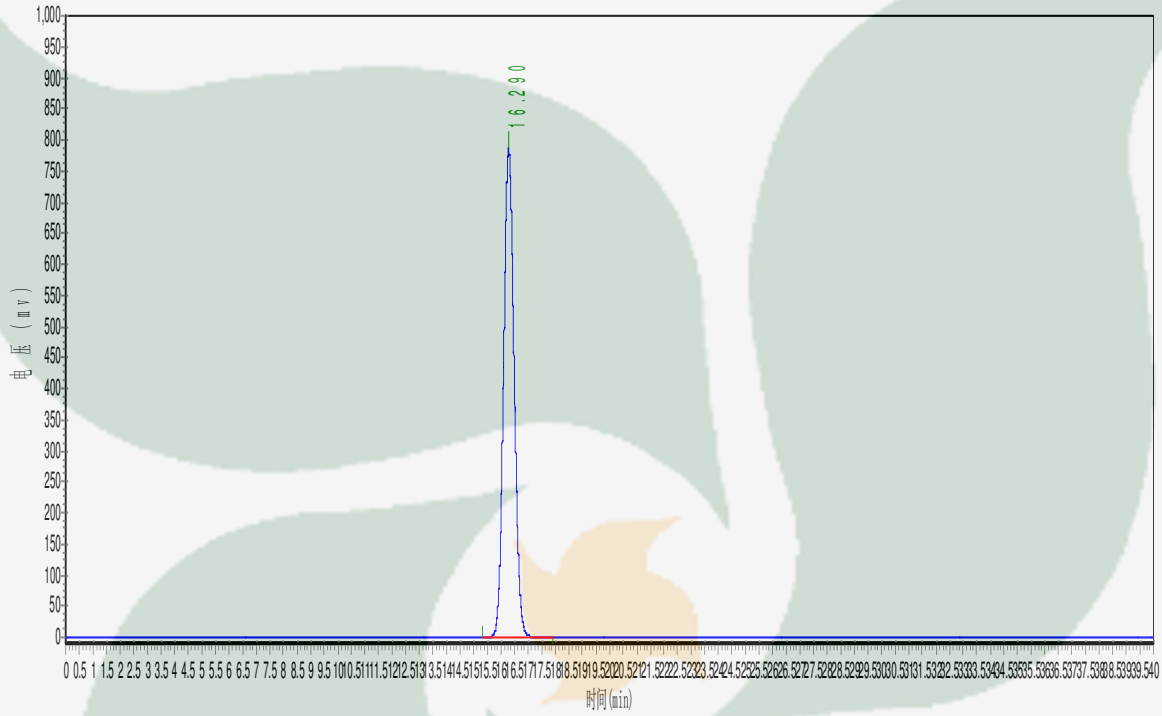
Checker

Manager

# Product Analysis Report

**Product Name:** Protocatechuicaldehyde  
**Lot Number:** 16012141  
**Detector:** UV  
**Detect Time:** 2016-01-21  
**Analyst:** shuzhilin

**Chrom-Column:** C18  
**Mobile Phase:** MeOH:0.1%H<sub>3</sub>PO<sub>4</sub> (20:80)  
**Wavelength:** 279nm  
**Inject Vol:** 20ul  
**Flow:** 1.0ml/min



| No. | Ret.Time<br>min | Height<br>mAU | Area<br>mAU*min | Rel.Area<br>% |
|-----|-----------------|---------------|-----------------|---------------|
| 1   | 16.290          | 787773.063    | 21261896.000    | 100.0000      |