

产品分析证书  
Certificate of Analysis

## 产品信息(Product Information)

产品编号 (CAT No.): N1311

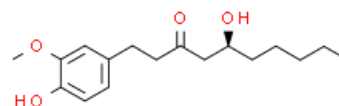
中文名称: 6-姜酚

English Name: 6-Gingerol

CAS No.: 23513-14-6

分子式 (M. F.): C<sub>17</sub>H<sub>26</sub>O<sub>4</sub>

分子量 (M. W.): 294.391



## 检测项目及结果 (Specifications&amp;results)

| 检验项目 (Test Item) | 检验规格 (Specifications)           | 检验结果 (Results)     |
|------------------|---------------------------------|--------------------|
| 颜色 Color         | 淡黄色至黄色 (light yellow to Yellow) | 淡黄色 (light yellow) |
| 外观 Appearance    | 粉末或固体 (Powder or Solid)         | 固体 (Solid)         |
| 纯度 Purity        | 98%                             | Conforms           |
| 质谱 Mass          | Comply with the structure       | Conforms           |
| 核磁 NMR           | Comply with the structure       | Conforms           |

## 检测信息 (Detection Information)

|                         |                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 色谱柱 (Column)            | Chrom Core TM 120C18 (4.6mm*250mm;5μm)                                                                                                             |
| 流动相 (Mobile phase)      | 乙腈: 0.2% 磷酸 = 乙腈 10%-60% 30min; 60%-100%; 30-50min (Acetonitrile : 0.2% Phosphoric acid in water = Acetonitrile 10%-60% 30min; 60%-100%; 30-50min) |
| 检测波长 (Detection mode)   | 280nm                                                                                                                                              |
| 柱温 (Column temperature) | 35℃                                                                                                                                                |

贮存条件 (Storage): 2~8℃, protected from light, keep package airproofed. <-15℃ when not in use for a long time. (密封保存, 置于阴凉干燥处, 长期不使用最好放置于-15℃以下环境中)

温馨提示 (Reminder): The sample solutions should be prepared immediately before use. (请现配现用)



QA: Joy Li

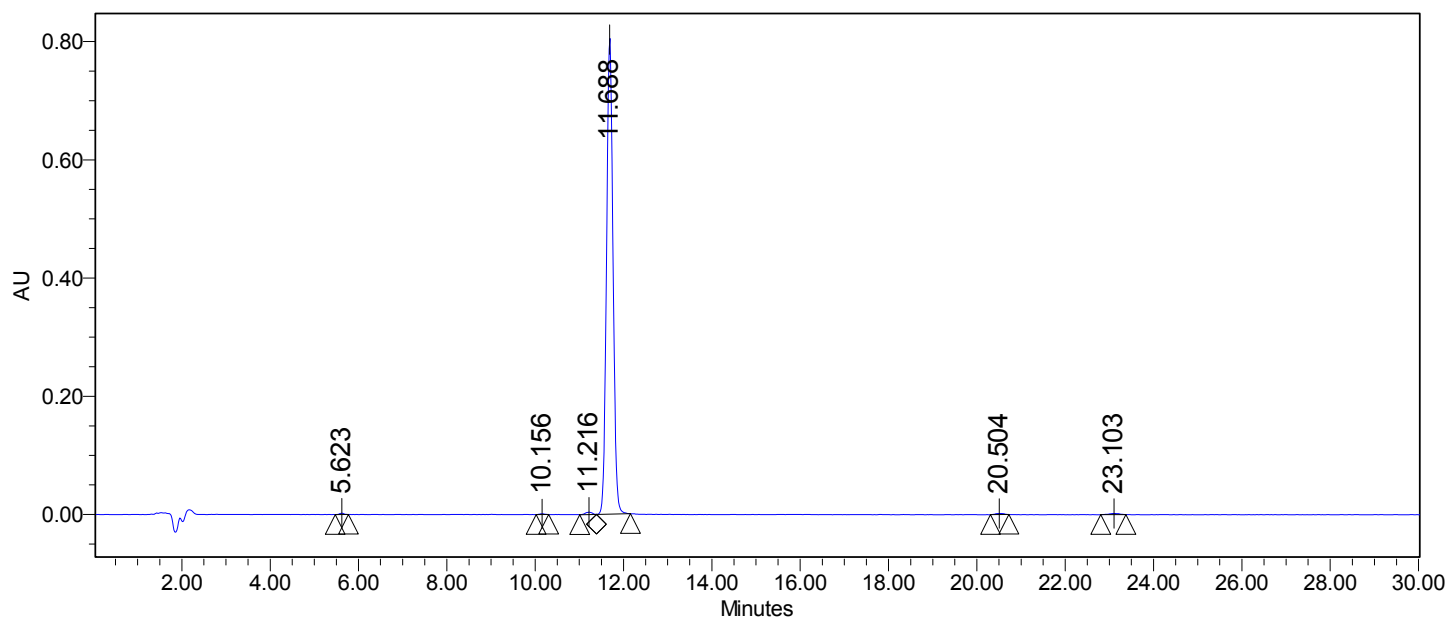
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## SAMPLE INFORMATION

|                                        |                                  |
|----------------------------------------|----------------------------------|
| Sample Name: 6 Gingerol                | Acquired By: cxy01               |
| Sample Type: Unknown                   | Sample Set Name:                 |
| Vial: 25                               | Acq. Method Set: 6 Gingerol      |
| Injection #: 1                         | Processing Method: Samples       |
| Injection Volume: 10.00 ul             | Channel Name: 280.0nm            |
| Run Time: 30.0 Minutes                 | Proc. Chnl. Descr.: PDA 280.0 nm |
| Date Acquired: 2023-3-26 16:16:02 CST  |                                  |
| Date Processed: 2023-3-26 16:50:01 CST |                                  |

### Auto-Scaled Chromatogram



### Peak Results

|   | Name | RT     | Area    | % Area | USP Plate Count | USP Resolution |
|---|------|--------|---------|--------|-----------------|----------------|
| 1 |      | 5.623  | 17554   | 0.21   | 14170.38        |                |
| 2 |      | 10.156 | 12349   | 0.15   | 24868.55        | 19.38          |
| 3 |      | 11.216 | 43422   | 0.52   | 25644.37        | 3.90           |
| 4 |      | 11.688 | 8186545 | 98.36  | 30083.46        | 1.72           |
| 5 |      | 20.504 | 27908   | 0.34   | 54558.38        | 27.41          |
| 6 |      | 23.103 | 34874   | 0.42   | 31488.02        | 6.20           |