

产品分析证书  
Certificate of Analysis

## 产品信息(Product Information)

产品编号 (CAT No.): N2503

中文名称: 美洲花椒素

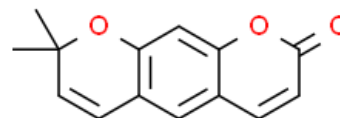
English Name: Xanthyletin

CAS No.: 553-19-5

分子式 (M. F.): C<sub>14</sub>H<sub>12</sub>O<sub>3</sub>

分子量 (M. W.): 228.247

批号 (Batch No.): N2503-5mg-M240402040713



## 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         | 无色至类白色 (Colorless to Off-white) | 无色至类白色 (Colorless to Off-white) |
| 外观 Appearance    | 粉末或固体 (Powder or Solid)         | 粉末 (Powder)                     |
| 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)            | waters Sunfire C18 5um, 50*4.6mm  |
| 流动相 (Mobile phase)      | A 0.02% NH <sub>4</sub> AC; B ACN |
| 检测波长 (Detection mode)   | 214NM 254NM                       |
| 柱温 (Column temperature) | 30℃                               |

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)

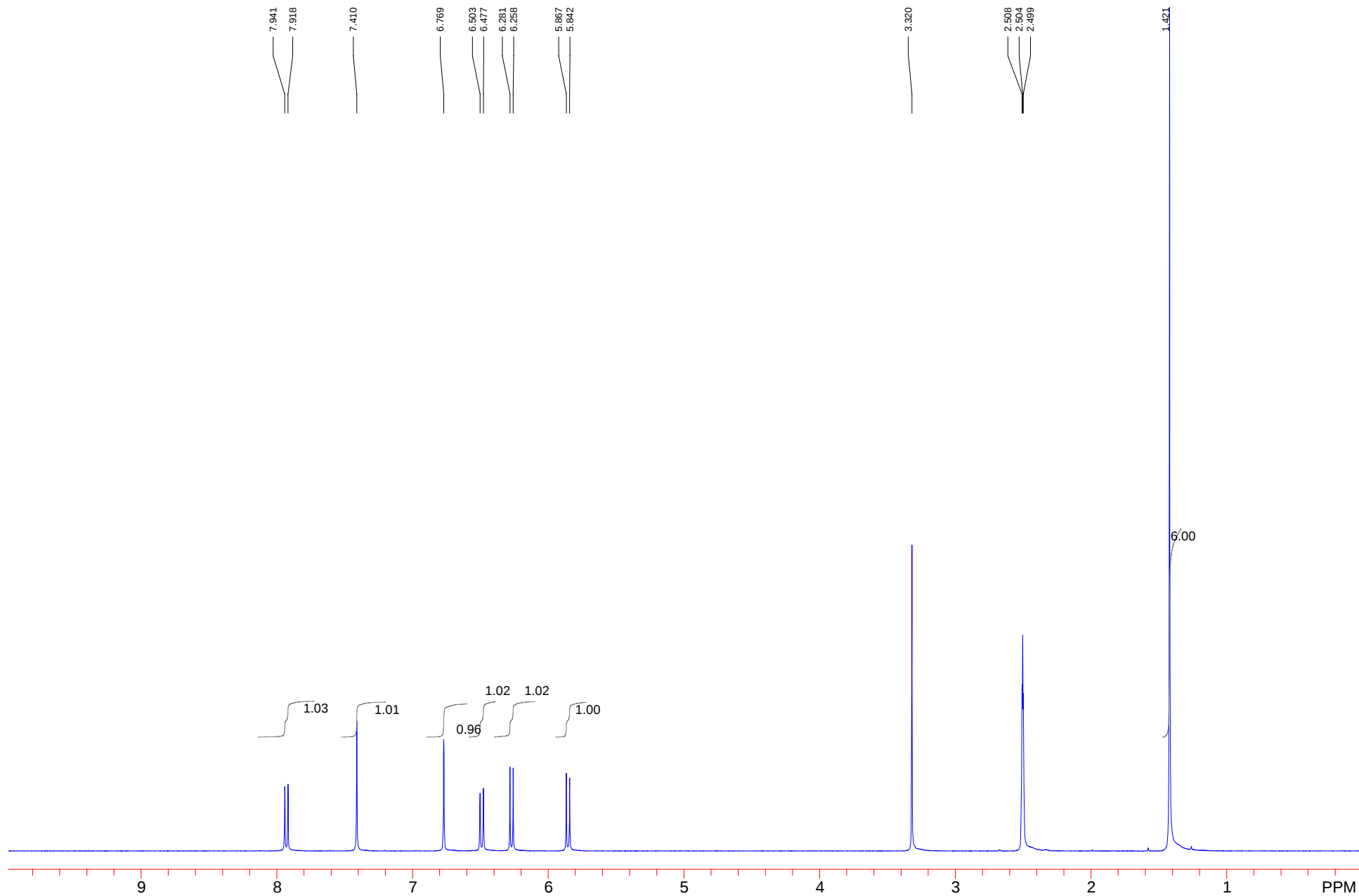
温馨提示 (Reminder): The sample solutions should be prepared immediately before use. (请现配现用)



QA: Joy Li

产品售后 (After-sale service): In case of quality issue, please contact us within 15 days after receipt of the product. (若对于我们的产品质量有任何疑问, 请于收到货后 15 天内联系我们)

(We appreciate you much when publishing your paper and marking the chemical purchase from Naturewill Biotechnology Co., Ltd. (Chengdu, China) 当发表论文时, 请您标注化合物购买于四川恒诚致远生物科技有限公司, 非常感谢您的支持。)

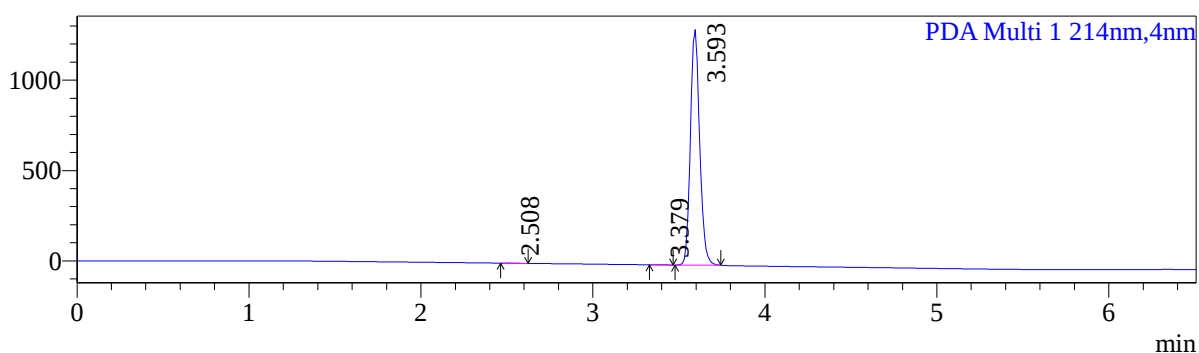


# QC Report

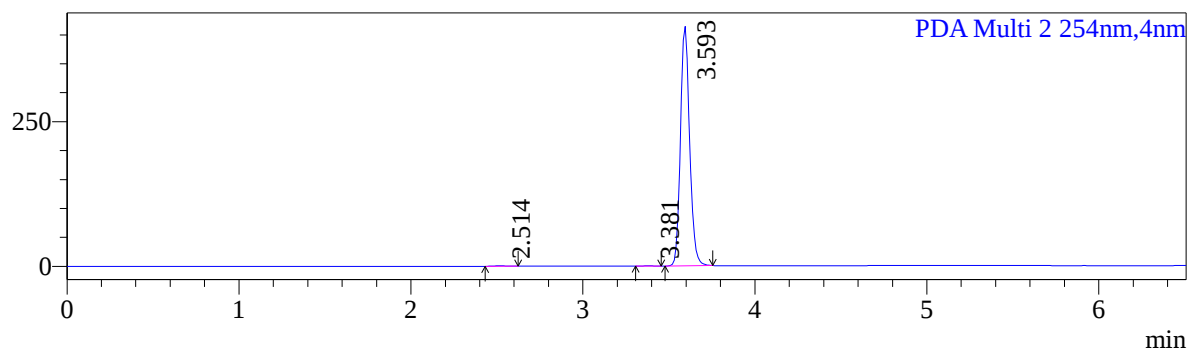
Sample Name : Y1874-12538-063P1  
Data File : D:\DATA-LCMS-24\data\2023\06\27\Y1874-12538-063P1.lcd  
Injection Date : 6/27/2023  
Inj. Vol. : 2 ul  
Vial# : 57  
Acq. Operator : LCMS-24  
Acq. Method : D:\DATA-LCMS-24\methods\column-1\NH4Ac\P-50-95-NH4AC-column1.lcm  
Column : waters Sunfire C18 5um, 50\*4.6mm  
Oven Temperature : 40 C  
Mobile Phase A : 0.02%NH4AC  
Mobile Phase B : ACN  
Total Flow : 1.5000 mL/min

Chromatogram

mAU

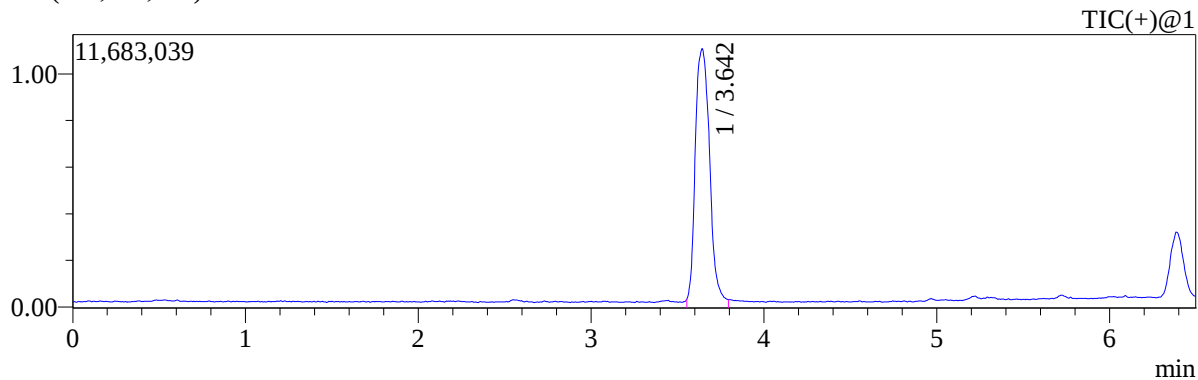


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MS Chromatogram

Segment#1 (x10,000,000)



Peak Table

PDA Ch1 214nm

| # | R.T.  | Mark | Height  | Area    | Area%  | Tailing Factor | Resolution |
|---|-------|------|---------|---------|--------|----------------|------------|
| 1 | 2.508 |      | 1032    | 3057    | 0.063  | 1.387          | --         |
| 2 | 3.379 |      | 1440    | 4821    | 0.099  | 1.322          | 7.999      |
| 3 | 3.593 | M    | 1303616 | 4877845 | 99.839 | 1.132          | 1.908      |

PDA Ch2 254nm

| # | R.T.  | Mark | Height | Area    | Area%  | Tailing Factor | Resolution |
|---|-------|------|--------|---------|--------|----------------|------------|
| 1 | 2.514 |      | 1119   | 4324    | 0.282  | 1.168          | --         |
| 2 | 3.381 |      | 515    | 1898    | 0.124  | 1.076          | 7.492      |
| 3 | 3.593 | M    | 413787 | 1529520 | 99.595 | 1.134          | 1.856      |

MASS Peak Table TIC

| # | R.T.  | Mark | Height       | Height% | Area     | Area%   |
|---|-------|------|--------------|---------|----------|---------|
| 1 | 3.642 | M    | 11211979.220 | 100.000 | 67600640 | 100.000 |

MS Spectrum

Time Range :3.637-3.643 min

Spectrum Mode:Averaged Polarity:Positive Segment-Event:1-1 Interface:ESI

