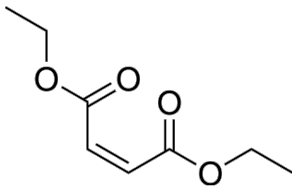


# Diethyl maleate

货号: **B26801**

## 产品信息

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|--|--|----|----|----|----|------|-----------|------------|------------|------|-----------|-----------|------------|-------|-----------|-----------|-----------|
| 生物活性  | Diethyl maleate is a maleate ester resulting from the formal condensation of both carboxy groups of maleic acid with ethanol. Diethyl maleate (DEM), a thiol-reactive $\alpha,\beta$ -unsaturated carbonyl compound, depletes glutathione (GSH) in exposed cells.                                                                                                                                                                                                                                                                                                                                              |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| CAS   | 141-05-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 中文名称  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 分子量   | 172.18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 体外研究  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 体内研究  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 形式    | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 运输条件  | Room temperature in continental US; may vary elsewhere.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 保存条件  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 溶解性   | <p>In Vitro:<br/><b>DMSO : 100 mg/mL (580.79 mM; Need ultrasonic)</b></p> <table><tr><td>配制储备液</td><td></td><td></td><td></td></tr><tr><td>浓度</td><td>溶剂</td><td>体积</td><td>质量</td></tr><tr><td>1 mM</td><td>5.8079 mL</td><td>29.0394 mL</td><td>58.0788 mL</td></tr><tr><td>5 mM</td><td>1.1616 mL</td><td>5.8079 mL</td><td>11.6158 mL</td></tr><tr><td>10 mM</td><td>0.5808 mL</td><td>2.9039 mL</td><td>5.8079 mL</td></tr></table> <p>*</p> <p>请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。</p> <p>储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month。-80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。</p> | 配制储备液      |            |  |  | 浓度 | 溶剂 | 体积 | 质量 | 1 mM | 5.8079 mL | 29.0394 mL | 58.0788 mL | 5 mM | 1.1616 mL | 5.8079 mL | 11.6158 mL | 10 mM | 0.5808 mL | 2.9039 mL | 5.8079 mL |
| 配制储备液 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 浓度    | 溶剂                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 体积         | 质量         |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 1 mM  | 5.8079 mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 29.0394 mL | 58.0788 mL |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 5 mM  | 1.1616 mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5.8079 mL  | 11.6158 mL |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 10 mM | 0.5808 mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.9039 mL  | 5.8079 mL  |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |
| 纯度    | ≥98.0%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |            |            |  |  |    |    |    |    |      |           |            |            |      |           |           |            |       |           |           |           |