Product Name: Cinnamic aldehyde
Catalog Number: T3S1553
CAS Number: 14371-10-9
Molecular Formula: C9H8O
Molecular Weight: 132.16

**Description:** 1. Cinnamic aldehyde exhibits excellent anti-inflammatory activities and antidepressant-like effects in stressed mid-aged rats as a COX-2 inhibitor. 2. Cinnamic aldehyde induces apoptosis of CML cells in vitro, down-regulation of the expression and function of BCR-ABL may be one of its most important anti-leukemia mechanisms. 3. Cinnamic aldehyde and cinnamic acid are cardioprotective in a rat model of ischemic myocardial injury, the mechanism is related to anti-oxidative and anti-inflammatory properties.

**Storage:** 2 years -80°C in solvent; 3 years -20°C powder;

**Solubility**

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>DMSO</td>
<td>10 mM</td>
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<tr>
<td>(&lt; 1 mg/ml refers to the product slightly soluble or insoluble)</td>
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</tbody>
</table>

**Receptor (IC50)**

Reference


**FOR RESEARCH PURPOSES ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

Information for product storage and handling is indicated on the product datasheet. Targetmol products are stable for long term under the recommended storage conditions. Our products may be shipped under different conditions as many of them are stable in the short-term at higher or even room temperatures. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, please follow the storage recommendations on the product data sheet.