**Product Data Sheet**

**Butein**

- **Cat. No.**: A2689
- **CAS No.**: 487-52-5
- **Formula**: C15H12O5
- **M.Wt.**: 272.25
- **Synonyms**:
- **Target**: JAK/STAT Signaling
- **Pathway**: EGFR
- **Storage**: Store at -20°C

**Solvent & Solubility**

<table>
<thead>
<tr>
<th>Stock Solutions</th>
<th>Mass</th>
<th>1mg</th>
<th>5mg</th>
<th>10mg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Preparing</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>1 mM</strong></td>
<td></td>
<td>3.6731 mL</td>
<td>18.3655 mL</td>
<td>36.7309 mL</td>
</tr>
<tr>
<td><strong>5 mM</strong></td>
<td></td>
<td>0.7346 mL</td>
<td>3.6731 mL</td>
<td>7.3462 mL</td>
</tr>
<tr>
<td><strong>10 mM</strong></td>
<td></td>
<td>0.3673 mL</td>
<td>1.8365 mL</td>
<td>3.6731 mL</td>
</tr>
</tbody>
</table>

Please refer to the solubility information to select the appropriate solvent.

**Biological Activity**

- **Shortsummary**: Protein kinase inhibitor
- **IC₅₀ & Target**:
  - 0.01 μM (Ki) (5-lipoxygenase)
  - 2.97 μM (Ki) (enoyl-acyl-carrier protein reductase (P. falciparum))
  - 0.73 μM (Ki) (angiotensin-converting enzyme)
  - 65 μM (Ki) (Src kinase)

**Cell Viability Assay**

**Preparation method**: 

**Animal experiment**: 

**Applications**: 

**Product Citations**
FOR RESEARCH PURPOSES ONLY.
NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.
Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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