**PRODUCT INFORMATION**

**Content:**
17-AAG is supplied as a lyophilized purple powder. It is available in two pack sizes:
- **ant-agl-5:** 5 mg
- **ant-agl-25:** 25 mg

**Storage and stability:**
- 17-AAG is shipped at room temperature. Store lyophilized product at -20°C. Protect from light. Lyophilized product is stable for 6 months when stored properly.
- Once solubilized 17-AAG should be aliquoted and stored in the dark at -20°C for 3 months. Avoid repeated freeze-thaw cycles. Protect from light. Resuspended product is stable for 3 months when properly stored.

**QUALITY CONTROL**

- Purity: ≥97% (UHPLC)
- The absence of bacterial contamination (e.g. lipoproteins and endotoxins) is confirmed using HEK-Blue™ TLR2 and HEK-Blue™ TLR4 cells.

**BACKGROUND**

17-Allylamino-17-demethoxygeldanamycin (17AAG) is a less toxic and more stable analogue of geldanamycin (GA)\(^1\). Even though 17-AAG binding to heat shock protein 90 (Hsp90) is weaker than GA, 17-AAG displays similar antitumor effects as GA and a better toxicity profile. 17-AAG is currently in phase I clinical trial in several centers worldwide. Preliminary data obtained from these trials demonstrate that antitumor activity is achieved at concentrations below the maximum tolerated dose\(^1\).


**CHEMICAL PROPERTIES**

**CAS number:** 75747-14-7

**Formula:** C\(_{31}\)H\(_{43}\)N\(_3\)O\(_8\)

**Molecular weight:** 586

**Solubility:** Soluble in DMSO (10 mg/ml)

**Working concentration:** 10 nM - 10 µM

**Structure:**

![Chemical Structure of 17-AAG](image)

**RELATED PRODUCTS**

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<thead>
<tr>
<th>Product</th>
<th>Catalog Code</th>
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</thead>
<tbody>
<tr>
<td>Geldanamycin</td>
<td>ant-gl-5</td>
</tr>
<tr>
<td>FITC-Geldanamycin</td>
<td>ant-fgl-1</td>
</tr>
<tr>
<td>17-DMAG (water soluble GA analogue)</td>
<td>ant-dgl-5</td>
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