**Product Name**: Benzylpenicillin potassium

**Catalog Number**: T5602

**CAS Number**: 113-98-4

**Molecular Formula**: C16H17KN2O4S

**Molecular Weight**: 372.48

**Description**: Benzylpenicillin potassium is the potassium salt form of penicillin G, a broad-spectrum penicillin antibiotic.

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

**Solubility**

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Solubility</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMSO</td>
<td>74 mg/mL (198.66 mM)</td>
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</table>

(< 1 mg/ml refers to the product slightly soluble or insoluble)

**Receptor (IC50)**

Anti-infection

**In vivo Activity**

Potassium penicillin G administered in drinking water is effective in reducing mortality associated with S. suis infection and reducing tonsillar carriage of S. suis that may lead to disease and be a source of pig-to-pig transmission of infection[1].

**Animal Experiment**

**Animal Model**:

Reference


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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.