**Product Data Sheet**

**Tolfenpyrad**

- **Cat. No.**: HY-17516
- **CAS No.**: 129558-76-5
- **Molecular Formula**: C₂₁H₂₂ClN₃O₂
- **Molecular Weight**: 383.87
- **Target**: Bacterial
- **Pathway**: Anti-infection
- **Storage**:
  - Powder: -20°C for 3 years, 4°C for 2 years, In solvent: -80°C for 6 months, -20°C for 1 month

**SOLVENT & SOLUBILITY**

In Vitro: DMSO: ≥ 56 mg/mL (145.88 mM)

*“≥” means soluble, but saturation unknown.*

<table>
<thead>
<tr>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.6050 mL</td>
<td>13.0252 mL</td>
<td>26.0505 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5210 mL</td>
<td>2.6050 mL</td>
<td>5.2101 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2605 mL</td>
<td>1.3025 mL</td>
<td>2.6050 mL</td>
</tr>
</tbody>
</table>

Preparing Stock Solutions

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

**BIOLOGICAL ACTIVITY**

**Description**

Tolfenpyrad is a pesticide that was first approved in 2002 in Japan.

**REFERENCES**


Caution: Product has not been fully validated for medical applications. For research use only.

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