**Diethyl aminoethyl hexanoate citrate**

**Cat. No.:** HY-112106A  
**CAS No.:** 220439-24-7  
**Molecular Formula:** C₁₈H₃₃NO₉  
**Molecular Weight:** 407.46  
**Target:** Others  
**Pathway:** Others  
**Storage:** 4°C, protect from light  
* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

**SOLVENT & SOLUBILITY**

<table>
<thead>
<tr>
<th>Solvent &amp; Mass</th>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMSO ≥ 125 mg/mL (306.78 mM)</td>
<td>≥</td>
<td>2.4542 mL</td>
<td>12.2711 mL</td>
<td>24.5423 mL</td>
</tr>
</tbody>
</table>

* “≥” means soluble, but saturation unknown.

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

**BIOLOGICAL ACTIVITY**

**Description**

Diethyl aminoethyl hexanoate citrate is a compound that is widely used as a plant growth regulator.

**In Vitro**

Diethyl aminoethyl hexanoate citrate is used as a plant growth regulator, stimulates the regeneration of adventitious buds[1]. Diethyl aminoethyl hexanoate (DA-6, 1 μM) with EDTA effectively causes the Cd extraction. Diethyl aminoethyl hexanoate fixes more Cd in cell walls and reduces Cd migration in shoot to reduce metal toxicity. Furthermore, Diethyl aminoethyl hexanoate/gibberellic acid 3 in combination with EDTA alleviates the adverse effect of EDTA on plant growth[2].

**REFERENCES**

