Product Name: AS 101
CAS Number: 106566-58-9
IUPAC Name: Ammonium trichloro[1,2-ethanediolato-O,O']-tellurate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂H₄Cl₃O₂Te.NH₄
Batch Molecular Weight: 312.05
Physical Appearance: White crystalline solid
Solubility: DMSO to 5 mM with gentle warming
ethanol to 5 mM with gentle warming
Storage: Desiccate at RT
Batch Molecular Structure:

2. ANALYTICAL DATA

¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

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<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
<th>Chlorine</th>
<th>Tellurium</th>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Name:** AS 101  
**CAS Number:** 106566-58-9  
**IUPAC Name:** Ammonium trichloro[1,2-ethanediolato-O,O’]-tellurate

**Description:**  
Immunomodulator; inhibits IL-10 synthesis and potentiates IL-1α, IL-2 and TNF-α release.

**Physical and Chemical Properties:**  
Batch Molecular Formula: \( \text{C}_2\text{H}_4\text{Cl}_3\text{O}_2\text{Te.NH}_4 \)  
Batch Molecular Weight: 312.05  
Physical Appearance: White crystalline solid

**Batch Molecular Structure:**

```
O
\( \text{TeCl}_3^{\cdot} \text{NH}_4^+ \)
```

**Storage:** Desiccate at RT

**Solubility & Usage Info:**  
DMSO to 5 mM with gentle warming  
ethanol to 5 mM with gentle warming

**Stability and Solubility Advice:**  
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).  
Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:  
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.  
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**  