

Certificate of Analysis

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Product Name: AS 101

Catalog No.: 2446

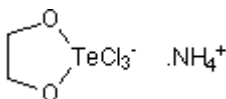
Batch No.: 2

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

	Carbon	Hydrogen	Nitrogen	Chlorine	Tellurium
Theoretical	7.7	2.58	4.49	34.08	40.89
Found	7.54	2.53	4.27	34	41.41

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Product Information

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Catalog No.: 2446

Batch No.: 2

CAS Number: 106566-58-9

IUPAC Name: Ammonium trichloro[1,2-ethanediolato-O,O']-tellurate

Description:

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

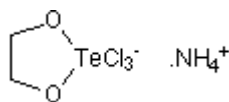
Physical and Chemical Properties:

Batch Molecular Formula: C₂H₄Cl₃O₂Te.NH₄

Batch Molecular Weight: 312.05

Physical Appearance: White crystalline solid

Batch Molecular Structure:



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:

Kalechman *et al* (2004) Inhibition of interleukin-10 by the immunomodulator AS101 reduces mesangial cell proliferation in experimental mesangioproliferative glomerulonephritis. *J.Biol.Chem.* **279** 24724. PMID: 15001575.

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