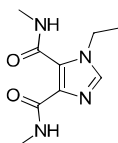




## Certificate of Analysis

**Axon Catalogue ID:** 4329 **Batch Number:** 1  
**Product Name:** Etimizol  
**Alternative Name(s):** IEM306  
**IUPAC Name:** N,N-Dimethyl-1-ethyl-4,5-imidazoledicarboxamide

**Structure:**



**Amount:**

**CAS number(s):** 64-99-3  
**Molecular Formula:** C<sub>9</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub> **Molecular Weight:** 210.23  
**Batch Molecular Formula:** C<sub>9</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>·0.25H<sub>2</sub>O **Batch Molecular Weight:** 214.74  
**Appearance:** Off-white solid **Observed mp:** 145 - 147 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (30:1)  
**Chemical Purity:** 98.3%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 50.34, H 6.81, N 26.09; Found: C 50.11, H 6.67, N 26.26  
**Storage Conditions:** Store at -20 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	7.2	33.5	
	EtOH	6.6	30.7	

**Remarks:**

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**