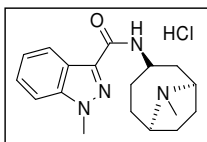


## Certificate of Analysis

**Axon Catalogue ID** 1449 **Batch Number:** 1  
**Product Name:** Granisetron hydrochloride  
**IUPAC Name:** 1-methyl-N-((1R,3R,5S)-9-methyl-9-azabicyclo[3,3,1]nonan-3-yl)-1H-inzadole-3-carboxamide hydrochloride

**Structure:**



**Amount:**

**CAS number:** 107007-99-8  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>24</sub>N<sub>4</sub>O.HCl **Batch MW:** 348.87  
**Appearance:** White Solid **Observed m.p.:** >290 (Dec.) °C  
**TLC (R<sub>f</sub>):** 0.2 9:1 DCM/Methanol  
**Chemical Purity:** 99% **Wavelength for purity check:** 302 nm  
**Optical Purity (ee):**  
**1H-NMR (300 MHz):** Analytical data confirm chemical structure **Solvent:** D<sub>2</sub>O  
**Mass Spec:** Analytical data confirm chemical structure **Ion:** 313 m/z **Method:** ESI:M+1  
**Microanalysis:** Not available

**Storage Conditions:** Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	120.00	343.97	water-soluble
1eq. NaOH			
1eq. HCl			
DMSO			
EtOH			

**Remarks:**

**Quality controller:** M. Brandsma, MSc. **Date:** 30-06-2010

The purity of Axon products 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 Axon Catalogue ID and Batch number.

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