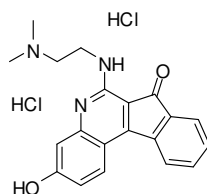




## Certificate of Analysis

**Axon Catalogue ID:** 2914 **Batch Number:** 2  
**Product Name:** TAS-103 dihydrochloride  
**Alternative Name(s):** BMS 247615 dihydrochloride  
**IUPAC Name:** 6-(2-(Dimethylamino)ethylamino)-3-hydroxy-7H-indeno[2,1-c]quinolin-7-one dihydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 174634-08-3 (parent), 174634-09-4 (HCl (1:2))  
**Molecular Formula:** C<sub>20</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>.2HCl **Molecular Weight:** 406.31  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>.2HCl.2.1H<sub>2</sub>O **Batch Molecular Weight:** 444.14  
**Appearance:** Red solid **Observed mp:** >260 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.1 DCM/MeOH/NH<sub>3</sub> (1:1:0.1)  
**Chemical Purity:** 99.0%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 54.09, H 5.72, N 9.46; Found: C 53.83, H 5.56, N 9.88  
**Storage Conditions:** Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water		36.0	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	7.2	16.2	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 18-12-2018

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**