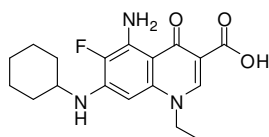




## Certificate of Analysis

**Axon Catalogue ID:** 2839 **Batch Number:** 1  
**Product Name:** AS 1842856  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 5-Amino-7-(cyclohexylamino)-1-ethyl-6-fluoro-4-oxo-1,4-dihydroquinoline-3-carboxylic acid

**Structure:**



**Amount:**

**CAS number(s):** 836620-48-5  
**Molecular Formula:** C<sub>18</sub>H<sub>22</sub>FN<sub>3</sub>O<sub>3</sub> **Molecular Weight:** 347.38  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>22</sub>FN<sub>3</sub>O<sub>3</sub> **Batch Molecular Weight:** 347.38  
**Appearance:** White solid **Observed mp:** >290 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.45 DCM/MeOH (9:1)  
**Chemical Purity:** 99.8%  
**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 62.23, H 6.38, N 12.10; Found: C 62.14, H 6.27, N 11.95  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	12.3	35.4	
	EtOH	0.0	0.0	Insoluble

**Remarks:** Contains a trace of DMSO (0.5 wt%)

**QC Date:** 15-02-2018

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**