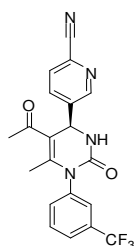




## Certificate of Analysis

**Axon Catalogue ID:** 2822 **Batch Number:** 1  
**Product Name:** BAY-678  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (R)-5-(5-Acetyl-6-methyl-2-oxo-1-(3-(trifluoromethyl)phenyl)-1,2,3,4-tetrahydropyrimidin-4-yl)picolinonitrile

**Structure:**



**Amount:**

**CAS number(s):** 675103-36-3  
**Molecular Formula:** C<sub>20</sub>H<sub>15</sub>F<sub>3</sub>N<sub>4</sub>O<sub>2</sub> **Molecular Weight:** 400.35  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>15</sub>F<sub>3</sub>N<sub>4</sub>O<sub>2</sub> **Batch Molecular Weight:** 400.35  
**Appearance:** White solid **Observed mp:** 205 - 206 °C  
**TLC (R<sub>f</sub>):** 0.64 DCM/MeOH (9:1)  
**Chemical Purity:** 99.8%  
**Optical Purity (ee):** 100%  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 60.00, H 3.78, N 13.99; Found: C 59.80, H 3.77, N 13.81  
**Storage Conditions:** Store at +4 °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)	0.0	0.0	Insoluble
	DMSO	40.0	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 25-04-2019

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**