



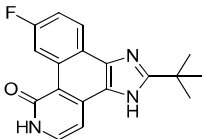
## Certificate of Analysis

**Axon Catalogue ID:** 4386 **Batch Number:** 1

**Product Name:** JAK inhibitor I

**Alternative Name(s):** Pyridone 6

**IUPAC Name:** 4-tert-Butyl-15-fluoro-3,5,10-triazatetracyclo[11.4.0.0<sup>2,6</sup>.0<sup>7,12</sup>]heptadeca-1(17),2(6),3,7(12),8,13,15-heptaen-11-one

**Structure:**  **Amount:**

**CAS number(s):** 457081-03-7

**Molecular Formula:** C<sub>18</sub>H<sub>16</sub>FN<sub>3</sub>O **Molecular Weight:** 309.34

**Batch Molecular Formula:** C<sub>18</sub>H<sub>16</sub>FN<sub>3</sub>O.1.25H<sub>2</sub>O **Batch Molecular Weight:** 331.86

**Appearance:** Off-white solid **Observed mp:** 281.6 - 282.8 °C

**TLC (R<sub>f</sub>):** 0.7 DCM/MeOH (9:1)

**Chemical Purity:** 99.0%

**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Calculated: C 65.15, H 5.62, N 12.66; Found: C 65.50, H 5.48, N 12.58

**Storage Conditions:** Store at -20 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	33.2	>100 mM	
	EtOH	4.8	14.5	

**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**