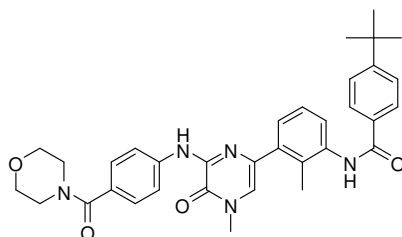




## Certificate of Analysis

**Axon Catalogue ID:** 2018 **Batch Number:** 1  
**Product Name:** CGI 1746  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 4-tert-Butyl-N-(2-methyl-3-(4-methyl-6-(4-(morpholine-4-carbonyl)phenylamino)-5-oxo-4,5-dihydropyrazin-2-yl)phenyl)benzamide

**Structure:**



**Amount:**

**CAS number(s):** 910232-84-7  
**Molecular Formula:** C<sub>34</sub>H<sub>37</sub>N<sub>5</sub>O<sub>4</sub> **Molecular Weight:** 579.69  
**Batch Molecular Formula:** C<sub>34</sub>H<sub>37</sub>N<sub>5</sub>O<sub>4</sub>·0.75H<sub>2</sub>O **Batch Molecular Weight:** 593.20  
**Appearance:** White solid **Observed mp:** 165 - 167 °C  
**TLC (R<sub>f</sub>):** 0.2 EtOAc  
**Chemical Purity:** 98.8%  
**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 68.84, H 6.54, N 11.81; Found: C 68.81, H 6.32, N 11.87  
**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)			Not Tested
	DMSO	59.3	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 24-07-2019

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**