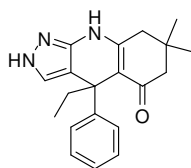




## Certificate of Analysis

**Axon Catalogue ID:** 3154 **Batch Number:** 1  
**Product Name:** rac-BRD0705  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 4-Ethyl-7,7-dimethyl-4-phenyl-6,7,8,9-tetrahydro-2H-pyrazolo[3,4-b]quinolin-5(4H)-one

**Structure:**



**Amount:**

**CAS number(s):** 1597440-03-3  
**Molecular Formula:** C<sub>20</sub>H<sub>23</sub>N<sub>3</sub>O **Molecular Weight:** 321.42  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>23</sub>N<sub>3</sub>O.0.25H<sub>2</sub>O **Batch Molecular Weight:** 325.92  
**Appearance:** White solid **Observed mp:** 225 °C  
**TLC (R<sub>f</sub>):** 0.56 DCM/MeOH (9:1)  
**Chemical Purity:** 99.6%  
**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 73.70, H 7.27, N 12.89; Found: C 73.50, H 7.33, N 12.83  
**Storage Conditions:** Store at -20 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility</b>		<b>Remarks</b>
		<b>(mg/ml)</b>	<b>(mM)</b>	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	32.6	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 14-05-2020

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**