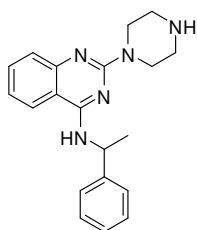




## Certificate of Analysis

**Axon Catalogue ID:** 2895 **Batch Number:** 1  
**Product Name:** D3-βArr  
**Alternative Name(s):** NCGC 00379308  
**IUPAC Name:** N-(1-Phenylethyl-2-piperazin-1-yl)quinazolin-4-amine

**Structure:**



**Amount:**

**CAS number(s):** 662164-09-2  
**Molecular Formula:** C<sub>20</sub>H<sub>23</sub>N<sub>5</sub> **Molecular Weight:** 333.43  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>23</sub>N<sub>5</sub> **Batch Molecular Weight:** 333.43  
**Appearance:** Beige solid **Observed mp:** 169 - 170 °C  
**TLC (R<sub>f</sub>):** 0.45 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**Chemical Purity:** 99.5%  
**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 72.04, H 6.95, N 21.00; Found: C 71.97, H 6.94, N 20.94  
**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	33.3	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 06-05-2019

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**