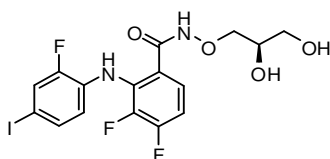




## Certificate of Analysis

**Axon Catalogue ID:** 1408 **Batch Number:** 6  
**Product Name:** PD 0325901  
**Alternative Name(s):** Mirdametinib  
**IUPAC Name:** (R)-N-(2,3-Dihydroxypropoxy)-3,4-difluoro-2-(2-fluoro-4-iodophenylamino)benzamide

**Structure:**



**Amount:**

**CAS number(s):** 391210-10-9  
**Molecular Formula:** C<sub>16</sub>H<sub>14</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub> **Molecular Weight:** 482.19  
**Batch Molecular Formula:** C<sub>16</sub>H<sub>14</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub> **Batch Molecular Weight:** 482.19  
**Appearance:** White solid **Observed mp:** 115 - 116 °C  
**TLC (R<sub>f</sub>):** 0.45 DCM/MeOH (9:1)  
**Chemical Purity:** 99.4%  
**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 040, H 003, N 006; Found: C 040, H 003, N 006  
**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)			Not Tested
	DMSO	34.2	70.9	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 03-04-2019

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**