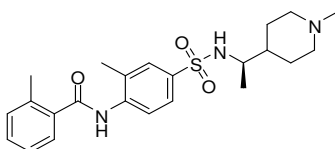




## Certificate of Analysis

**Axon Catalogue ID:** 3962 **Batch Number:** 1  
**Product Name:** IPG7236  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (R)-2-Methyl-N-(2-methyl-4-(N-(1-(1-methylpiperidin-4-yl)ethyl)sulfamoyl)phenyl)benzamide

**Structure:**



**Amount:**

**CAS number(s):** 2756350-91-9  
**Molecular Formula:** C<sub>23</sub>H<sub>31</sub>N<sub>3</sub>O<sub>3</sub>S **Molecular Weight:** 429.58  
**Batch Molecular Formula:** C<sub>23</sub>H<sub>31</sub>N<sub>3</sub>O<sub>3</sub>S.0.25H<sub>2</sub>O **Batch Molecular Weight:** 434.08  
**Appearance:** White solid **Observed mp:** 195.5 - 196.5 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH/NH<sub>3</sub> (20:1:0.1)  
**Chemical Purity:** 98.6%  
**Optical Purity (ee):** 99.8%  
**Optical Rotation (Det.):** [α]<sub>D</sub> = +53.7° with c = 0.5 in MeOH  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 63.64, H 7.31, N 9.68; Found: C 63.58, H 7.40, N 9.75  
**Storage Conditions:** Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	23.0	53.0	
	EtOH	4.2	9.7	

**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**