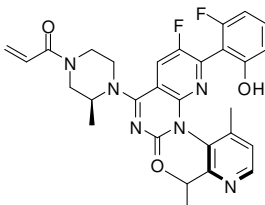




## Certificate of Analysis

**Axon Catalogue ID:** 3575 **Batch Number:** 1  
**Product Name:** AMG510  
**Alternative Name(s):** Sotorasib  
**IUPAC Name:** 4-((S)-4-Acryloyl-2-methylpiperazin-1-yl)-6-fluoro-7-(2-fluoro-6-hydroxyphenyl)-1-(2-isopropyl-4-methylpyridin-3-yl)pyrido[2,3-d]pyrimidin-2(1H)-one

**Structure:**



**Amount:**

**CAS number(s):** 2296729-00-3  
**Molecular Formula:** C<sub>30</sub>H<sub>30</sub>F<sub>2</sub>N<sub>6</sub>O<sub>3</sub> **Molecular Weight:** 560.59  
**Batch Molecular Formula:** C<sub>30</sub>H<sub>30</sub>F<sub>2</sub>N<sub>6</sub>O<sub>3</sub> **Batch Molecular Weight:** 560.59  
**Appearance:** White solid **Observed mp:** >287 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.79 DCM/MeOH (20:1)  
**Chemical Purity:** 99.1%  
**Optical Purity (ee):** Optically pure  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 64.27, H 5.39, N 14.99; Found: C 64.09, H 4.96, N 14.77  
**Storage Conditions:** Store at +4 °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	5.4	9.6	* Warming (40°C) and sonication
	EtOH	0.0	0.0	Insoluble

**Remarks:** \* Warming (40°C) and sonication enhanced solubility.

**QC Date:** 24-1-2022

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**