



Certificate of Analysis

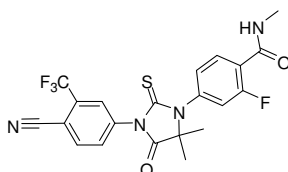
Axon Catalogue ID: 1613 **Batch Number:** 6

Product Name: MDV 3100

Alternative Name(s): Enzalutamide

IUPAC Name: 4-(3-(4-Cyano-3-(trifluoromethyl)phenyl)-5,5-dimethyl-4-oxo-2-thioxoimidazolidin-1-yl)-2-fluoro-N-methylbenzamide

Structure:



Amount:

CAS number(s): 915087-33-1

Molecular Formula: C₂₁H₁₆F₄N₄O₂S **Molecular Weight:** 464.44

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Appearance: White solid **Observed mp:** 200.3 - 201.7 °C

TLC (R_f): 0.79 DCM/MeOH (20:1)

Chemical Purity: 100%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 54.31, H 3.47, N 12.06; Found: C 54.20, H 3.48, N 12.13

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)			Not Tested
	DMSO	46.4	>100 mM	
	EtOH	12.4	26.7	* Warming (40°C)

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

QC Date: 2-12-2022

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only