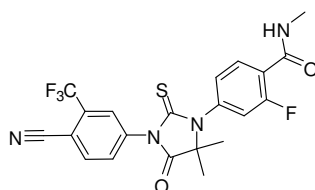




Certificate of Analysis

Axon Catalogue ID: 1613 **Batch Number:** 2
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:

Packed as:

CAS number(s): 915087-33-1
Molecular Formula: C₂₁H₁₆F₄N₄O₂S **Molecular Weight:** 464.44
Batch Molecular Formula: C₂₁H₁₆F₄N₄O₂S **Batch Molecular Weight:** 464.44
Appearance: White solid **Observed mp:** 199 - 200 °C
TLC (R_f): 0.7 DCM/MeOH (9:1)
Chemical Purity: 99.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): 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 ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			0
	EtOH			Not Tested

Remarks:

QC Date: 02-05-2011

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