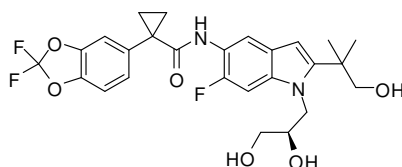




Certificate of Analysis

Axon Catalogue ID: 2169 **Batch Number:** 1
Product Name: VX 661
Alternative Name(s): Tezacaftor
IUPAC Name: (R)-1-(2,2-Difluorobenzo[d][1,3]dioxol-5-yl)-N-(1-(2,3-dihydroxypropyl)-6-fluoro-2-(1-hydroxy-2-methylpropan-2-yl)-1H-indol-5-yl)cyclopropanecarboxamide

Structure:



Amount:

CAS number(s): 1152311-62-0
Molecular Formula: C₂₆H₂₇F₃N₂O₆ **Molecular Weight:** 520.50
Batch Molecular Formula: C₂₆H₂₇F₃N₂O₆ **Batch Molecular Weight:** 520.50
Appearance: Off-white solid **Observed mp:** 106 - 108 °C
TLC (R_f): 0.5 DCM/MeON (9:1)
Chemical Purity: 99.4%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.00, H 5.23, N 5.38; Found: C 59.87, H 5.08, N 5.48
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	52.0	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 13-05-2020

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