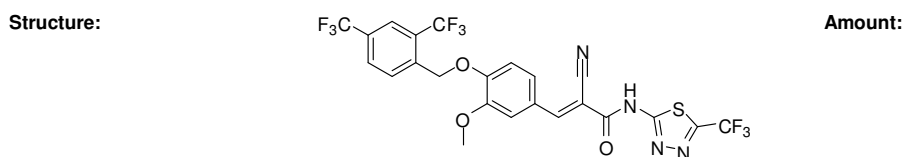




Certificate of Analysis

Axon Catalogue ID: 2337 **Batch Number:** 1
Product Name: XCT 790
Alternative Name(s): N.A.
IUPAC Name: 3-(4-(2,4-Bis(trifluoromethyl)benzyloxy)-3-methoxyphenyl)-2-cyano-N-(5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl)acrylamide



CAS number(s): 725247-18-7
Molecular Formula: C₂₃H₁₃F₉N₄O₃S **Molecular Weight:** 596.42
Batch Molecular Formula: C₂₃H₁₃F₉N₄O₃S **Batch Molecular Weight:** 596.42
Appearance: Yellow solid **Observed mp:** 241 - 243 °C
TLC (R_f): 0.6 EtOAc
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 46.32, H 2.20, N 9.39; Found: C 46.15, H 2.49, N 9.24
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	14.5	24.3	
	EtOH			Not Tested

Remarks:

QC Date: 07-04-2020

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