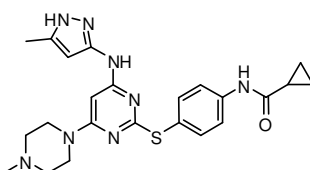




Certificate of Analysis

Axon Catalogue ID:	1540	Batch Number:	1
Product Name:	VX 680		
Alternative Name(s):	MK 0457; Tozasertib		
IUPAC Name:	Cyclopropanecarboxylic acid {4-[4-(4-methyl-piperazin-1-yl)-6-(5-methyl-1H-pyrazol-3-ylamino)-pyrimidin-2		
Structure:			Amount:
CAS number(s):	639089-54-6		
Molecular Formula:	C23H28N8OS	Molecular Weight:	464.59
Batch Molecular Formula:	C23H28N8OS	Batch Molecular Weight:	464.59
Appearance:	Off-white solid	Observed mp:	> 238 °C (decomp)
TLC (R_f):	0.1	DCM/MeOH (9:1)	
Chemical Purity:	98.2%		
Optical Purity (ee):	N.A.		
¹H-NMR (300 MHz):	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 59.46, H 6.07, N 24.12; Found: C ND, H ND, N ND		
Storage Conditions:	Store at +4 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water		
	0.1N NaOH (aq)		
	0.1N HCl (aq)		
	DMSO	17.5	37.7
	EtOH		
			Remarks
			Not Tested
			Not Tested
			Not Tested
			Not Tested
Remarks:			
QC Date:	20-2-2018		

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