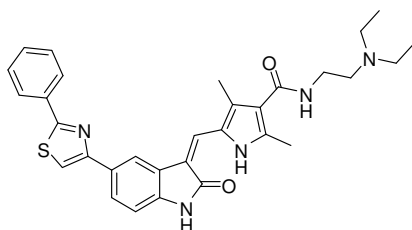


Certificate of Analysis

Axon Catalogue ID: 2971 **Batch Number:** 1
Product Name: Amcasertib
Alternative Name(s): BBI503
IUPAC Name: N-(2-(Diethylamino)ethyl)-2,4-dimethyl-5-((2-oxo-5-(2-phenylthiazol-4-yl)indolin-3-ylidene)methyl)-1H-pyrrole-3-carboxamide

Structure:



Amount:

CAS number(s): 1129403-56-0
Molecular Formula: C₃₁H₃₃N₅O₂S **Molecular Weight:** 539.69
Batch Molecular Formula: C₃₁H₃₃N₅O₂S **Batch Molecular Weight:** 539.69
Appearance: Orange solid **Observed mp:** >275 °C (decomp)
TLC (R_f): 0.8 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 98.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 68.99, H 6.16, N 12.98; Found: C 69.18, H 6.23, N 13.15
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)	0.0	0.0	Insoluble
	DMSO	11.2	20.8	Sonication (40°C) enhances solubility
	EtOH			Not Tested

Remarks:

QC Date: 17-05-2019

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