

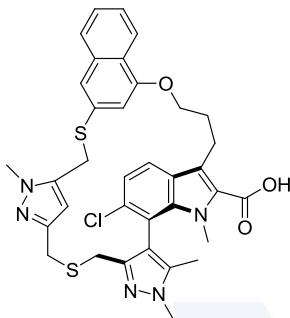


Northeast Business Center

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Certificate of Analysis



Product Name:	AZD5991
Synonym:	NA
CAS No:	2143061-81-6
Prod. No:	CT-A5991
Lot No:	03
Batch Empirical Formula Batch Empirical Wt.	$C_{35}H_{34}ClN_5O_3S_2 \cdot 1/2H_2O$ 681.3
Solubility	Soluble in DMSO (67.2mg/ml, 100mM)
Storage	Store at 0 °C (short term), -20 °C (long term), in dark and desiccated in a tightly closed container. Hygroscopic

Appearance	White Crystalline Solid/Powder
Quality Control	1H NMR: [✓] MS: [✓] Achiral HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] $C_{35}H_{34}ClN_5O_3S_2 \cdot 0.5H_2O$ Calculated: C: 61.70%; H: 5.18%; N: 10.28% Found: C: 61.15%; H: 5.16%; N: 10.11%
Chemical Purity	>99% (HPLC, detected at 254 nm)
Atropisomeric Purity *	100% (Chiral HPLC) * One single atropisomer (out of possible two), verified unequivocally by Chiral HPLC.