

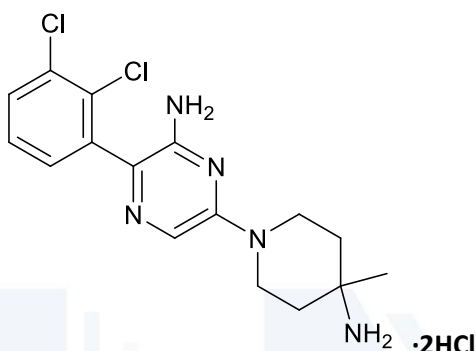


Northeast Business Center

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Certificate of Analysis



Product Name:	SHP099 (Dihydrochloride)
Synonym	NA
CAS No:	1801747-11-4 (HCl salt)
Prod. No:	CT-SHP099
Lot No:	06
Batch Empirical Formula Batch Empirical Wt.	$C_{16}H_{19}Cl_2N_5 \cdot 2HCl \cdot 0.2H_2O$ 428.8
Solubility	Soluble in DMSO (21.4 mg/ml, 50 mM) at 50 °C
Storage	Store at 0 °C (short term), - 20 °C (long term), desiccated

Appearance	Pale yellow powder
Quality Control	1H NMR: [✓] HPLC: [✓] Quantitative Elemental Analysis: [✓] $C_{16}H_{19}Cl_2N_5 \cdot 2HCl \cdot 0.2H_2O$ Calculated: C: 44.82%; H: 5.03%; N: 16.33%, Cl: 33.07% Found: C: 44.93%; H: 5.02%; N: 16.36%, Cl: 33.11%
Chemical Purity	>99% (HPLC at 214 nm) >99% (HPLC at 254 nm)