

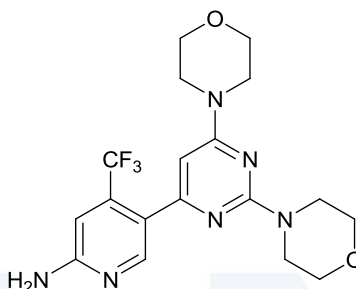


Northeast Business Center

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Certificate of Analysis



Product Name:	NVP-BKM120
Synonym:	Buparlisib, BKM120, BKM-120
CAS No:	944396-07-0
Prod. No:	CT-BKM120
Lot No:	05
Batch Empirical Formula	$C_{18}H_{21}F_3N_6O_2 \cdot 0.1H_2O$
Batch Empirical Wt.	412.2
Solubility	Soluble in DMSO (41.2mg/ml, 100 mM)
Storage	Store at 0 °C (short term), -20 °C (long term), desiccated

Appearance	Snow-white crystalline powder, Re-crystallized
Quality Control	MS: [✓] 1H NMR: [✓] HPLC: [✓] Quantitative Elemental Analysis [✓]: $C_{18}H_{21}F_3N_6O_2 \cdot 0.1H_2O$ Calculated: C: 52.45% H: 5.18% N: 20.39% Found: C: 51.97% H: 5.19% N: 20.47%
Loss on Drying	< 0.2%
Purity	>99% (HPLC at 214 and 254 nm)