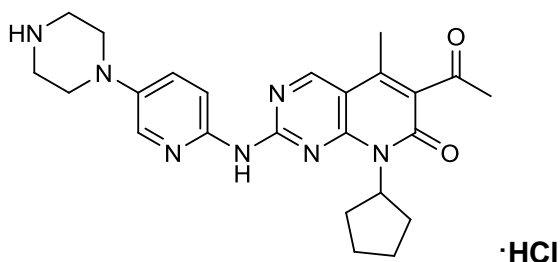


**Northeast Business Center**

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Certificate of Analysis



Product Name:	Palbociclib (HCl salt)
Synonym:	PD-0332991
CAS No:	827022-32-2
Prod. No:	CT-PD2991
Lot No:	09
Batch Empirical Formula Batch Empirical Wt.	$C_{24}H_{29}N_7O_2 \cdot HCl$ 484.0
Solubility	Soluble in 0.05 N HCl, (24.2mg/ml, 50mM), at 45 °C DMSO, (38.7mg/ml, 80 mM), at 45 °C
Storage	Store at 0 °C (short term), -20 °C (long term), dark and desiccated

Appearance	Pale Yellow Powder, Recrystallized
Quality Control	1H NMR: [✓] HPLC: [✓] Quantitative Elemental Aanalysis [✓]: $C_{24}H_{29}N_7O_2 \cdot HCl$ Calculated: C: 59.56%; H: 6.25%; N: 20.26%; Cl: 7.33% Found: C: 59.66%; H: 6.20% N: 20.03%; Cl: 7.30%
Chemical Purity	>99.5% (HPLC)