

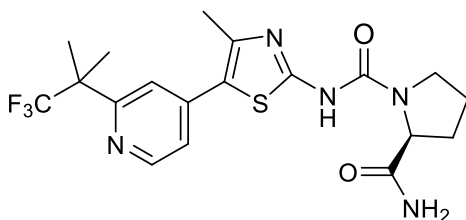


Northeast Business Center

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Certificate of Analysis



Product Name:	BYL-719
Synonym:	Alpelisib, NVP-BYL719
CAS No:	1217486-61-7
Prod. No:	CT-BYL719
Lot No:	03
Batch Empirical. Formula:	C ₁₉ H ₂₂ F ₃ N ₅ O ₂ S
Batch Empirical Wt.	441.5
Solubility:	Soluble in DMSO (44.2mg/ml, 100 mM)
Storage:	Store at 0 – 4 °C (short term), -20 °C (long term), desiccated
Appearance	White Crystalline powder, recrystallized
Quality Control	¹ HNMR: [✓] Achiral HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C₁₉H₂₂F₃N₅O₂S Calculated: C: 51.69%; H: 5.02%; N: 15.86% Found: C: 51.69%; H: 5.01%; N: 15.89%
Chemical Purity	>99.5% (HPLC)
Optical Purity (e.e)	100% (Chiral HPLC)