

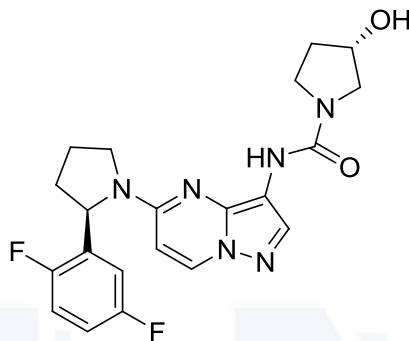


Northeast Business Center

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Certificate of Analysis



Product Name:	Loxo-101
Synonym:	Larotectinib
CAS No:	1223403-58-4
Prod. No:	CT-LX101
Lot No:	01
Batch Empirical Formula Batch Empirical. Wt.	$C_{21}H_{22}F_2N_6O_2 \cdot 0.5H_2O$ 437.4
Solubility	Soluble in DMSO (35.0mg/ml, 80mM), 50 °C
Storage	Store at 0 °C (short term), -20 °C (long term), desiccated

Appearance	Yellow powder, Recrystallized
Quality Control	1H NMR: [✓] HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] $C_{21}H_{22}F_2N_6O_2 \cdot 0.5H_2O$ Calculated: C: 57.66%; H: 5.30%; N: 19.21% Found: C: 57.85%; H: 5.34%; N: 19.18%
Chemical Purity	>99.5% (HPLC at 214 nm) >99.5% (HPLC at 254 nm)
Optical Purity (ee, de)	100% (Chiral HPLC)