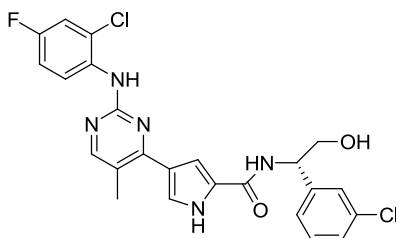


Certificate of Analysis



Product Name:	VX-11e
Synonym:	ERK11e
CAS No:	896720-20-0
Prod. No:	CT-VX11e
Lot No:	01
Batch Empirical Formula Batch Empirical Wt.	C ₂₄ H ₂₀ Cl ₂ FN ₅ O ₂ · 0.1HCl 505.0
Solubility:	Soluble in DMSO
Storage:	Store at 0 – 4 °C (short term), -20 °C (long term), desiccated

Appearance	Off-white to pale-yellow powder
Quality Control	MS: [✓] ¹ HNMR: [✓] HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C₂₄H₂₀Cl₂FN₅O₂· 0.1HCl Calculated: C: 57.08% H: 4.21% N: 13.87% Found: C: 57.36% H: 4.16% N: 13.86%
Related impurity	Individual Impurity, < 0.5%
	Total Impurity, < 1%
Chemical Purity	>99% (HPLC)
Optical Purity	>99% (Chiral HPLC)