

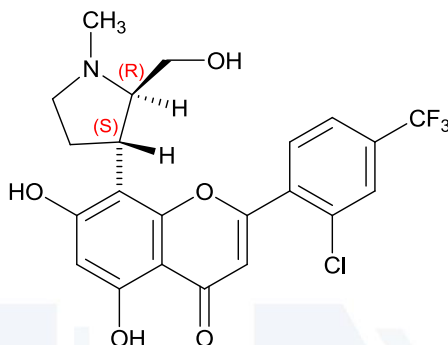


Northeast Business Center

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Certificate of Analysis



Product Name:	Voruciclib (monohydrate)
Synonym:	P1446A-05
CAS No:	1000023-04-0
Prod. No:	CT-VORU
Lot No:	01
Batch Empirical Formula Batch Empirical Wt.	C ₂₂ H ₁₉ F ₃ NO ₅ · H ₂ O 487.9
Solubility	Soluble in DMSO (49mg/ml, 100 mM)
Storage	Store at 0 °C (short term), -20 °C (long term), desiccated

Appearance	Yellow powder
Quality Control	MS: [✓] 1HNMR: [✓] NOESY: [✓] COSY: [✓] HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C ₂₂ H ₁₉ F ₃ NO ₅ · H ₂ O Calculated: C: 54.16% H: 4.34 % N: 2.87% Found: C: 54.75% H: 4.44 % N: 2.91%
Chemical Purity	>99.5% (HPLC)
Optical Purity (ee, de)	>99.5% (Chiral HPLC)