

Northeast Business Center

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Certificate of Analysis

Product Name:	BIBW-2992
Synonym	Afatinib, Tovok
CAS No:	850140-72-6
Prod. No:	CT-BW2992
Lot No:	Lot 03
Batch Empirical Formula	C ₂₄ H ₂₅ CIFN ₅ O ₃ ·0.7H ₂ O
Batch Empirical Wt.	498.6
Solubility	Soluble in DMSO
Storage	Store at 0 °C (short term), - 20 °C (long term), desiccated

Appearance	White Powder
	MS: [√]
Quality Control	¹HNMR: [√]
	Achiral HPLC: [√]
	Chiral HPLC: [√]
	Quantitative Elemental Analysis: [√] C ₂₄ H ₂₅ ClFN ₅ O ₃ ·0.7H ₂ O
	Calculated: C: 57.82%; H: 5.34%; N: 14.05%
	Found: C: 57.98%; H: 5.37%; N: 13.99%
Chemical Purity	>99.5% (Achiral HPLC at 214 nm)
	>99.5% (Achiral HPLC at 254 nm)
Optical Purity	100% (Chiral HPLC)