

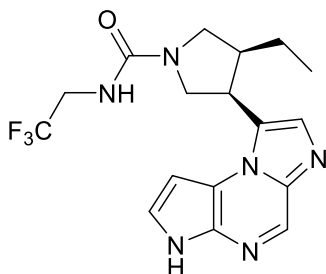


Northeast Business Center

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Certificate of Analysis



Product Name:	Upadacitinib
Synonym	ABT-494
CAS No:	1310726-60-3
Prod. No:	CT-UPAD
Lot No:	01
Batch Empirical Formula	C ₁₇ H ₁₉ F ₃ N ₆ O
Batch Empirical Wt.	380.0
Solubility	Soluble in DMSO (38.0mg/ml, 100 mM) at 25 °C
Storage	Store at 0-4 °C (short term), - 20 °C (long term), desiccated

Appearance	White to Off-white Powder
Quality Control	¹ H-NMR: [✓] Achiral HPLC: [✓] Chiral HPLC: [✓] Quantitative Elemental Analysis: [✓] C ₁₇ H ₁₉ F ₃ N ₆ O Calculated: C: 53.68%; H: 5.03%; N: 20.09% Found: C: 53.41%; H: 5.06%; N: 20.04%
Chemical Purity	>99% (by Achiral HPLC)
Optical Purity (e.e)	>99% (by Chiral HPLC)