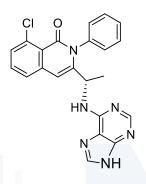


**Certificate of Analysis** 



Product Name:	IPI-145
Synonym CAS No:	Duvelisib, INK-1197 1201438-56-3
Prod. No:	CT-IPI145
Lot No: Batch Empirical Formula Batch Empirical Weight	02 C <sub>22</sub> H <sub>17</sub> ClN <sub>6</sub> O·0.8H <sub>2</sub> O 431.3
Solubility	Soluble in DMSO (21.6mg/ml, 50 mM) at 25 °C
Storage	Store at 0 °C (short term), - 20 °C (long term), desiccated

Appearance	White to off-white powder
Quality Control	<sup>1</sup> HNMR: [√] HPLC: [√] Chiral HPLC: [√]
	Quantitative Elemental Aanalysis [v]: C <sub>22</sub> H <sub>17</sub> ClN <sub>6</sub> O · 0.8H <sub>2</sub> O
	Calculated: C: 61.27% H: 4.35% N: 19.49%
	Found: C: 61.38% H: 4.28 % N: 19.45%
Chemical Purity	>99% (HPLC at 214 and 254 nm)
Optical Purity (ee)	>99% Chiral HPLC