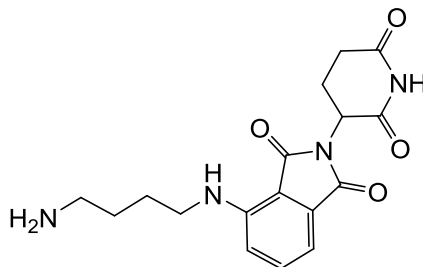




Certificate of Analysis



IUPAC	4-((4-Aminobutyl)amino)-2-(2,6-dioxopiperidin-3-yl)isoindoline-1,3-dione hydrochloride
Molecular Weight	344.37
Molecular Formula	C ₁₇ H ₂₀ N ₄ O ₄
Physical State	Solid
Storage	-20 °C
Expiration Date	One year from date of receipt
Lot Number	

Analysis	Specification	Result
Physical Examination	White Solid	PASS
TLC	Ninhydrin: positive Iodine: one major spot	PASS
Chemical Purity (HPLC)	>95%	PASS
Mass Spectroscopy	[M+H] ⁺ = 344.37 ± 1 amu	[M+H] ⁺ = 344.7
¹ H NMR	Consistent with structure	PASS

Approved by The Head of Quality Assurance
Department: