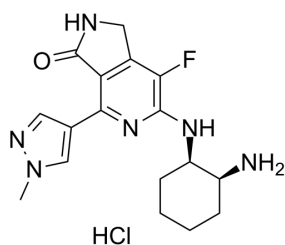


Certificate of Analysis

Product Name:	TAK-659 (hydrochloride)
Cat. No.:	CS-6988
CAS No.:	1952251-28-3
Batch No.:	217420
Chemical Name:	3H-Pyrrolo[3,4-c]pyridin-3-one, 6-[[[(1R,2S)-2-aminocyclohexyl]amino]-7-fluoro-1,2-dihydro-4-(1-methyl-1H-pyrazol-4-yl)-, hydrochloride (1:1)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₁₇ H ₂₂ ClFN ₆ O
Molecular Weight:	380.85
Storage:	2-8°C, stored under nitrogen, away from moisture
Chemical Structure:	



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
¹H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Purity (LCMS):	99.86%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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