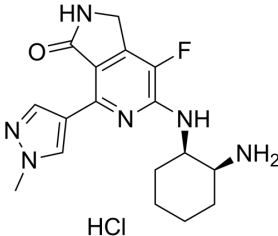


## Certificate of Analysis

<b>Product Name:</b>	TAK-659 (hydrochloride)
<b>Cat. No.:</b>	CS-6988
<b>CAS No.:</b>	1952251-28-3
<b>Batch No.:</b>	25626
<b>Chemical Name:</b>	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

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

### ANALYTICAL DATA

<b>Appearance:</b>	White to off-white (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>LCMS:</b>	Consistent with structure
<b>Purity (LCMS):</b>	98.13%
<b>Conclusion:</b>	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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