



## Certificate of Analysis.

### Tert-butyl 4-((6-aminopyridin-3-yl)methyl)piperazine-1-carboxylate.

|                   |  |
|-------------------|--|
| Product code:     | <b>BS16196.</b>  |
| Description:      | <b>Tert-butyl 4-((6-aminopyridin-3-yl)methyl)piperazine-1-carboxylate.</b> |
| Synonym:          | <b>Abemaciclib Impurity 24.</b>  |
| Pack:             | <b>100 mg.</b>   |
| CAS NO.:          | <b>1178566-52-3.</b>   |
| Mol. Weight:      | <b>292.38 g/mol.</b>   |
| Mol. Formula:     | <b>C<sub>15</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub>.</b>             |
| MDL Number:       | <b>MFCD28130029.</b>   |
| Melting point:    | <b>112°C.</b>  |
| Solubility:       | <b>Soluble in DMSO.</b>  |
| Storage:          | <b>Store at 2-8°C.</b>   |
| Batch No:         | <b>Sample.</b>   |
| Manufacture Date: | <b>Lot specific.</b>   |
| Expiry Date:      | <b>3 years.</b>  |

| Test                    | Specification                    | Measured Values      |
|-------------------------|----------------------------------|----------------------|
| Appearance:             | Off-white to light yellow Solid. | <b>Lot specific.</b> |
| Identification by NMR:  | Confirms to the structure.       | <b>Lot specific.</b> |
| Identification by MASS: | Confirms to the structure.       | <b>Lot specific.</b> |
| Identification by IR:   | Confirms to the structure.       | <b>Lot specific.</b> |
| Purity by HPLC:         | ≥95%.                            | <b>Lot specific.</b> |

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.

