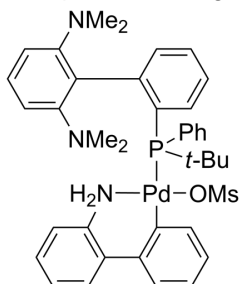


## Certificate of Analysis

|                       |  |
|-----------------------|--|
| <b>Product Name:</b>  | [2'-(Amino-κN)[1,1'-biphenyl]-2-yl-κC][2'-[(1,1-dimethylethyl)phenylphosphino-κP]-N2,N2,N6,N6-tetramethyl[1,1'-biphenyl]-2,6-diamine](methanesulfonato-κO)palladium    |
| <b>Cat. No.:</b>      | CS-0159985   |
| <b>CAS No.:</b>       | 1661042-31-4   |
| <b>Batch No.:</b>     | 213774   |
| <b>Chemical Name:</b> | Palladium, [2'-(amino-κN)[1,1'-biphenyl]-2-yl-κC][2'-[(1,1-dimethylethyl)phenylphosphino-κP]-N2,N2,N6,N6-tetramethyl[1,1'-biphenyl]-2,6-diamine](methanesulfonato-κO)- |

### PHYSICAL AND CHEMICAL PROPERTIES

|                            |  |
|----------------------------|--|
| <b>Molecular Formula:</b>  | C <sub>39</sub> H <sub>46</sub> N <sub>3</sub> O <sub>3</sub> PPdS |
| <b>Molecular Weight:</b>   | 774.26   |
| <b>Storage:</b>            | 2-8°C, protect from light, stored under nitrogen                   |
| <b>Chemical Structure:</b> |  |



### ANALYTICAL DATA

|                                    |   |
|------------------------------------|---|
| <b>Appearance:</b>                 | Light yellow to brown (Solid)   |
| <b><sup>1</sup>H NMR Spectrum:</b> | Consistent with structure   |
| <b>Purity (NMR):</b>               | ≥97.0%  |
| <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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