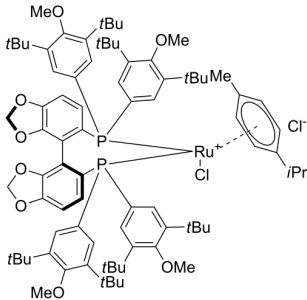


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	Chloro[(S)-(+)-5,5'-bis[bis(3,5-di-tert-butyl-4-methoxyphenyl)phosphino]-4,4'-bi-1,3-benzodioxole](p-cymene)ruthenium(II) Chloride
<b>Cat. No.:</b>	1152820
<b>CAS No.:</b>	944451-33-6
<b>Molecular Formula:</b>	C <sub>84</sub> H <sub>114</sub> Cl <sub>2</sub> O <sub>8</sub> P <sub>2</sub> Ru
<b>Molecular Weight:</b>	1485.72
<b>Chemical Structure:</b>	

### Batch Information

<b>Batch No.:</b>	Lc0813013
<b>Storage:</b>	2-8°C, protect from light, stored under nitrogen
<b>Test Date:</b>	2019-08-13
<b>Retest Date:</b>	2022-08-12
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	Light yellow to yellow (Solid)
<b>Purity:</b>	≥97.0%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

E-mail: [product@leyan.com](mailto:product@leyan.com)

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai