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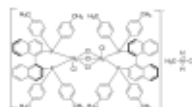
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Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
(S)-[(RuCl(T-BINAP))<sub>2</sub>(μ-Cl)<sub>3</sub>][NH<sub>2</sub>Me<sub>2</sub>]

**Product Number:** 693146  
**CAS Number:** 309735-86-2  
**MDL:** MFCD09753034  
**Formula:** C<sub>98</sub>H<sub>88</sub>Cl<sub>5</sub>NP<sub>4</sub>Ru<sub>2</sub>  
**Formula Weight:** 1,783.05 g/mol  
**Storage Temperature:** 2 - 8 °C



### TEST

### Specification

Appearance (Color)	Conforms to Requirements
Orange to Brown	
Appearance (Form)	Powder
Proton NMR spectra	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure
Carbon	62.7 - 69.3 %
Optical Rotation	-1550.0 - -1250.0 deg
c = 0.5%; Chloroform	
Supplier information	Conforms
Product of TAKASAGO International Corporation	

Specification: PRD.0.ZQ5.10000052699

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.