

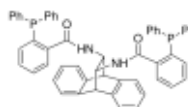
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## Product Specification

Product Name:  
(R,R)-ANDEN-Phenyl Trost Ligand - technical grade

Product Number: **697591**  
CAS Number: 152140-65-3



Formula: C<sub>54</sub>H<sub>42</sub>N<sub>2</sub>O<sub>2</sub>P<sub>2</sub>  
Formula Weight: 812.87 g/mol

TEST	Specification
Appearance (Color) White to Yellow to Tan	Conforms to Requirements
Appearance (Form) Powder or Crystals	Conforms to Requirements
Proton NMR spectra	Conforms to Structure
Optical Rotation C = 1%, CHCl <sub>3</sub>	-110.0 - -90.0 deg
Purity (HPLC)	≥ 88.0 %

Specification: PRD.0.ZQ5.10000053756

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.