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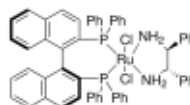
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Product Specification

Product Name: Dichloro[(S)-(-)-2,2'-bis(diphenylphosphino)-1,1'-binaphthyl][(1S,2S)-(-)-1,2-diphenylethylenediamine] ruthenium(II) - 95%

Product Number: **701793**
CAS Number: 329736-05-2



Formula: C₅₈H₄₈Cl₂N₂P₂Ru
Formula Weight: 1,006.94 g/mol
Storage Temperature: -20 °C

TEST	Specification
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Appearance (Color)	Conforms to Requirements
Yellow to Orange to Brown	
Appearance (Form)	Powder
Proton NMR spectrum	Conforms to Structure
Ruthenium (Ru)	9.4 - 10.6 %
Carbon	65.0 - 73.3 %
Optical Rotation	-767.0 - -627.0 deg
c = 0.5%, C ₆ H ₆	
Recommended Retest Period	-----
2 Years	

Specification: PRD.1.ZQ5.1000007802

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. 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.