

Aladdin 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 Aladdin-e.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.

## Specification Sheet

Product Name: **(R)-(+)-7,7''-Bis(diphenylphosphino)-2,2'',3,3''-tetrahydro-1,1''-spirobiindane**  
Specifications & Purity: **97%**  
SKU #: **R282116**

### Parameter

Appearance(R282116)  
NMR Spectrum 1H  
Phosphorus NMR Spectra  
Specific rotation  $[\alpha]_{20/D}$  (C=1% , Chloroform)  
Purity(HPLC area)

### Limit Values

White to Beige Powder or Crystals  
Conforms to Structure  
Conforms to Structure  
177-191 (°)  
97-100 (%)

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