

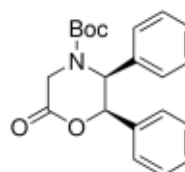
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## Product Specification

Product Name:  
(2R,3S)-(-)-N-Boc-6-oxo-2,3-diphenylmorpholine - 98%

**Product Number:** 331848  
**CAS Number:** 112741-49-8  
**MDL:** MFCD00074955  
**Formula:** C<sub>21</sub>H<sub>23</sub>NO<sub>4</sub>  
**Formula Weight:** 353.41 g/mol  
**Storage Temperature:** 2 - 8 °C



| TEST  | Specification            |
|---|--------------------------|
| Appearance (Color)  | White                    |
| Appearance (Form)<br>Powder, Fibers, Crystals and/or Chunks   | Conforms to Requirements |
| Infrared spectrum   | Conforms to Structure    |
| Optical Rotation<br>C = 5.5%, CH <sub>2</sub> Cl <sub>2</sub> | -90.0 - -82.0 deg        |
| Enantiomeric Excess   | ≥ 97.5 %                 |
| Purity (HPLC)   | ≥ 97.5 %                 |

Specification: PRD.1.ZQ5.10000014123

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.