

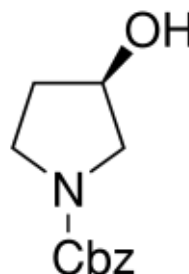
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## Product Specification

Product Name:  
(R)-(-)-1-Cbz-3-pyrrolidinol - 95%

Product Number: **654655**  
CAS Number: 100858-33-1  
MDL: MFCD07368258  
Formula: C<sub>12</sub>H<sub>15</sub>NO<sub>3</sub>  
Formula Weight: 221.25 g/mol



| TEST                                   | Specification     |
|--|-------------------|
| Appearance (Color)                     | White to Brown    |
| Appearance (Form)                      | Crystal to Powder |
| Carbon                                 | 61.2 - 69.0 %     |
| Nitrogen                               | 5.9 - 6.9 %       |
| Optical Rotation<br>c = 2%; Chloroform | -24.0 - -16.0 deg |
| GC (area %)                            | ≥ 94.0 %          |

Specification: PRD.0.ZQ5.10000015185

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.