

**Product Name:** N-Benzylloxycarbonyl-L-valine, 99%, Thermo Scientific™  
**Catalog Number:** A13583.06

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**CAS Number:** 1149-26-4  
**IUPAC Name:** (2S)-2-[(benzyloxy)carbonyl]amino-3-methylbutanoic acid  
**Molecular Formula:** C13H17NO4  
**Molecular Weight:** 251.28  
**MDL Number:** MFCD00008922  
**InChI Key:** CANZBRDGRHNSGZ-NSHDSACASA-N  
**SMILES:** CC(C)[C@H](NC(=O)OCC1=CC=CC=C1)C(O)=O  
**Synonym:** (2S)-2-[(benzyloxy)carbonyl]amino-3-methylbutanoic acid|Z-VAL-OH

## Product Specification

**Appearance (Color):** White to pale cream  
**Form:** Crystals or powder or crystalline powder  
**Water Content (Karl Fischer Titration):** ≤0.5%  
**Optical Rotation:** -3.2° to -4.8° (c=2 in acetic acid)  
**Assay (Aqueous acid-base Titration):** ≥98.5 to ≤101.5%

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**Date Of Print:** 02/06/2026

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*