

---

**Certificate of Analysis**

---

Product Name: Z-D-Ala-OH  
Cat. No.: GA10464  
Batch No.: 1  
Chemical Name: (2R)-2-(phenylmethoxycarbonylamino)propanoic acid

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 26607-51-2  
Molecular Formula: C<sub>11</sub>H<sub>13</sub>NO<sub>4</sub>  
Molecular Weight: 223.2  
Storage: Desiccate at -20°C  
Chemical Structure:

**ANALYTICAL DATA**

Appearance: solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA