

---

**Certificate of Analysis**

---

Product Name: Z-D-Thr-OH  
Cat. No.: GA10935  
Batch No.: 1  
Chemical Name: (2R,3S)-3-hydroxy-2-(phenylmethoxycarbonylamino)butanoic acid

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 80384-27-6  
Molecular Formula:  $C_{12}H_{15}NO_5$   
Molecular Weight: 253.3  
Storage:  
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