

---

**Certificate of Analysis**

---

Product Name: Z-Thr-NH2  
Cat. No.: GA11180  
Batch No.: 1  
Chemical Name: benzyl N-[(2S,3R)-1-amino-3-hydroxy-1-oxobutan-2-yl]carbamate

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 49705-98-8  
Molecular Formula: C<sub>12</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub>  
Molecular Weight: 252.3  
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