

---

**Certificate of Analysis**

---

Product Name: Boc-Glu(OtBu)-ONp  
Cat. No.: GA11111  
Batch No.: 1  
Chemical Name: 5-O-tert-butyl 1-O-(4-nitrophenyl) (2S)-2-[(2-methylpropan-2-yl)oxycarbonylamino]pentanedioate

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 69876-58-0  
Molecular Formula: C<sub>20</sub>H<sub>28</sub>N<sub>2</sub>O<sub>8</sub>  
Molecular Weight: 424.5  
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