

---

## Certificate of Analysis

---

Product Name: H-D-Val-OtBu•HCl  
Cat. No.: GA11094  
Batch No.: 1  
Chemical Name: tert-butyl (2R)-2-amino-3-methylbutanoate;hydrochloride

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 104944-18-5  
Molecular Formula: C<sub>9</sub>H<sub>19</sub>NO<sub>2</sub>.HCl  
Molecular Weight: 209.7  
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