

## Certificate of Analysis

Product Name: (R)-tert-Butyl 2-(2-hydroxyethyl)piperazine-1-carboxylate hydrochloride  
Cat. No.: GF49656  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 947275-74-3  
Molecular Formula: C<sub>11</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>3</sub>  
Molecular Weight: 266.77  
Storage: 2-8°C,

Chemical Structure:



### ANALYTICAL DATA

Appearance: A solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >95.00%  
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