

## Certificate of Analysis

Product Name: 2-(1, 4-Bis(tert-butoxycarbonyl)piperazin-2-yl)acetic acid  
Cat. No.: GF42446  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 368442-00-6  
Molecular Formula: C<sub>16</sub>H<sub>28</sub>N<sub>2</sub>O<sub>6</sub>  
Molecular Weight: 344.4033  
Storage: Store at RT

Chemical Structure:



### ANALYTICAL DATA

Appearance: A solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >97.00%  
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