

## Certificate of Analysis

Product Name: Man[2Bz, 3All, 46Bzd] $\beta$ (1-4)GlcNPhth[36Bn]- $\beta$ -MP  
Cat. No.: GF10151  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 2064311-96-0  
Molecular Formula: C<sub>58</sub>H<sub>55</sub>NO<sub>14</sub>  
Molecular Weight: 990.07  
Storage: 2-8°C

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