

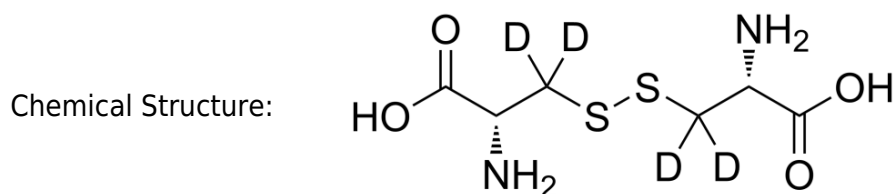
## Certificate of Analysis

---

Product Name: L-Cystine-d4  
Cat. No.: GC71839  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 1192736-38-1  
Molecular Formula:  $C_6H_8D_4N_2O_4S_2$   
Molecular Weight: 244.33  
Storage: 4°C, sealed storage, away from moisture and light



### ANALYTICAL DATA

Appearance: A solid  
Isotopic Enrichment: 99.27%  
Additional Information: d4=98.54%,d2=1.46%  
Purity(NMR): >98.00%  
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