

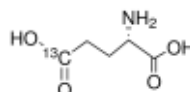
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## Product Specification

Product Name:  
L-Glutamic acid-5-<sup>13</sup>C - 99 atom % <sup>13</sup>C

**Product Number:** 492922  
**CAS Number:** 81202-00-8  
**MDL:** MFCD00144591  
**Formula:** 13CC4H9NO4  
**Formula Weight:** 148.12 g/mol



TEST	Specification
Water (by Karl Fischer)	≤ 0.50 %
Purity (HPLC)	≥ 99 %
Chiral HPLC	≤ 1 %
D-form	
Proton NMR Spectrum	Conforms
<sup>13</sup> C NMR Spectrum	Conforms
<sup>13</sup> C Enrichment	≥ 99.0
atom% <sup>13</sup> C	
LCMS	Conforms to Structure
Appearance (Color)	White
Appearance (Form)	Powder

Specification: PRD.0.ZQ5.10000062109

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.