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## Product Specifications

### Glucagon Acetate

CAS 16941-32-5

Structure:

**His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-  
Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-  
Asp-Phe-Vla-Gln-Trp-Leu-Met-Asn-Thr-OH**

Mol. Formula  
Source

$C_{153}H_{225}N_{43}O_{49}S$   
*Synthetic*

Mol. Wt.

3482.6

| <i>Test</i>               | <i>Specification</i>                       |
|---------------------------|--|
| Appearance                | White powder                               |
| Sp. Rot., $[\alpha]_D$    | - 50.0 ~ - 60.0 ° ( c=1, H <sub>2</sub> O) |
| Purity (hplc)             | > 98%                                      |
| Single Impurity (by hplc) | < 1.0%                                     |
| Acetate Content (hplc)    | < 15.0%                                    |
| Peptide Content (by %N)   | 80%  |
| Amino Acid Composition    | ±10% of theoretical                        |
| Bacterial Endotoxins      | < 5 EU/mg                                  |
| Water Content (K-F)       | < 10%                                      |

*Storage:* Maintain in dry, cold (2-8 °C) containment.