

t-Butyl Ester Protected Amino Acid Molecular Weights

Fall 2019

| Amino Acid | Code | Protected Form | Molecular Weight of Protected |
|----------------|-------|----------------------|-------------------------------|
| Alanine | Ala | H-Ala-OtBu•HCl | 181.7 |
| Aspartic Acid | Asp | H-Asp(OtBu)-OtBu•HCl | 281.8 |
| Arginine | Arg | H-Arg-OtBu•2HCl | 303.3 |
| Asparagine | Asn | H-Asn-OtBu | 188.2 |
| Cystiene | Cys | | |
| Glutamic Acid | Glu | H-Glu(OtBu)-OtBu•HCl | 295.8 |
| Glutamine | Gln | H-Gln-OtBu•HCl | 238.72 |
| Glycine | Gly | H-Gly-OtBu•HCl | 167.6 |
| Histidine | His | H-His(Trt)-OtBu•HCl | 490.08 |
| Hydroxyproline | Hyp | H-Hyp(tBu)-OtBu•HCl | 279.84 |
| Isoleucine | Ile | H-Ile-OtBu•HCl | 223.7 |
| Leucine | Leu | H-Leu-OtBu•HCl | 223.7 |
| Lysine | Lys | H-Lys(Boc)-OtBu•HCl | 338.9 |
| Methionine | Met | H-Met-OtBu•HCl | 241.73 |
| Phenylalanine | Phe | H-Phe-OtBu•HCl | 257.8 |
| Proline | Pro | H-Pro-OtBu | 171.2 |
| Serine | Ser | H-Ser(tBu)-OtBu•HCl | 253.8 |
| Threonine | Thr | H-Thr(tBu)-OtBu | 231.34 |
| Tryptophan | Trp | H-Trp-OtBu•HCl | 296.7 |
| Tyrosine | Tyr | H-Tyr-OtBu | 237.3 |
| Valine | Val | H-Val-OtBu•HCl | 209.7 |
| beta-Alanine | B-Ala | H-B-Ala-OtBu•HCl | 181.7 |