Errata
Proteins: Concepts in Biochemistry
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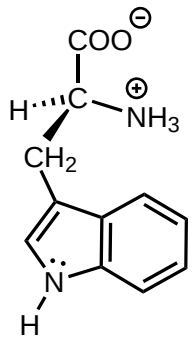
- Page 39, Figure 2.18, Structure of tryptophan.



- Page 98, section **Insertions and Deletions...**, first paragraph:
  For example, the human hemoglobin β chain has 146 residues. In the Cranston mutant, the first 144 residues are the same as in the normal protein, but two nucleotides are inserted (AG in **Figure 3.11**). (...) The synthesis of the protein continues until another UAA codon appears, after residue 156.

- Page 234, Equation 5.68:

$$\theta_I = \frac{k_1}{k_2 - k_1}\left(e^{-k_1 t} - e^{-k_2 t}\right).$$

- Page 246, second paragraph:
  In addition, the beginning of strand β_1 (residues 3–7) has larger ϕ-values, ≈ 0.2 to 0.38, suggesting that this region is also structured in the transition state.

- Page 256, second paragraph:
  Avidin is a major protein component of egg white and part of its function is probably to bind biotin so tightly that microorganisms that cannot synthezise biotin cannot grow in the egg, because they will be starved of biotin, as avidin does not allow any free biotin to exist.

- Page 303, section **Bisphosphoglycerate (BPG)...** and **Figure 6.44**: His-143 (instead of His-43).