

24. The number of chiral carbon(s) present in peptide, Ile-Arg-Pro, is _____.

Official Ans. by NTA (4)

25. A soft drink was bottled with a partial pressure of CO₂ of 3 bar over the liquid at room temperature. The partial pressure of CO₂ over the solution approaches a value of 30 bar when 44 g of CO₂ is dissolved in 1 kg of water at room temperature. The approximate pH of the soft drink is _____ × 10⁻¹.

(First dissociation constant of H₂CO₃ = 4.0 × 10⁻⁷; log 2 = 0.3; density of the soft drink = 1 g mL⁻¹)

Official Ans. by NTA (37)