$$wt\% = \frac{m(std) \times M_W(\mathbf{5}) \times molar\ ratio \times P(std)}{m(\mathbf{5}) \times M_W(std)} = \mathbf{99}\%$$

m(**5**) = 32.3 mg; M_W(**5**) = 256.14 g/mol

m(std) = 14.0 mg; M_W(std) = 168.19 g/mol

P(std) = 98%; molar ratio = (1.53/1)/(3/3) = 1.53