

1.

- (1) (ア) H_2O (イ) 6.43×10^2 (ウ) オストワルト (エ) c
 (2) (オ) -0.367 (カ) 3.20×10^2 (キ) $[Cu(NH_3)_4]^{2+}$ (ク) 銅アンモニアレーヨン (キュプラ)

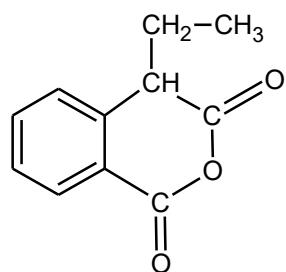
2.

$$(1) (ア) \frac{\sqrt{3}}{4}a \quad (イ) \frac{100nV}{b^3} \quad (ウ) \frac{3\sqrt{3}F_w}{8L^3N_A} \quad (エ) \frac{SM}{WN_A}$$

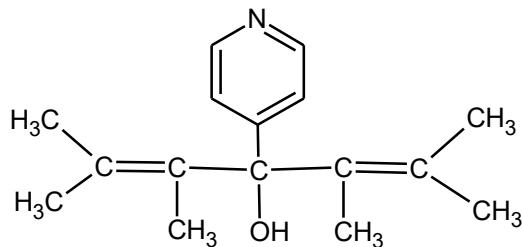
- (2) (オ) $2KMnO_4 + 5Na_2C_2O_4 + 8H_2SO_4 \longrightarrow 2MnSO_4 + K_2SO_4 + 5Na_2SO_4 + 8H_2O + 10CO_2$
 (カ) 6.00×10^{-6} (キ) 2.40 (ク) f, h

3.

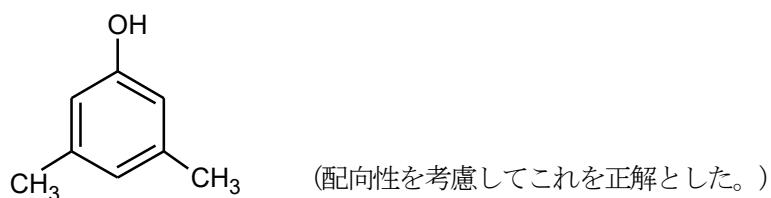
- (1) (i) (ア) アラニン (イ)



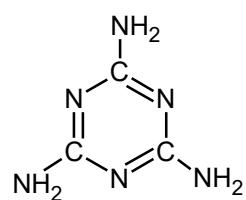
- (ii) (ウ)



- (iii) (エ) 1 (オ)



- (2) (カ)



- (キ) 2.25

- (ク) チミン

- (ケ)

