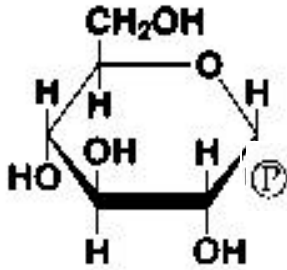


glucose 1 P

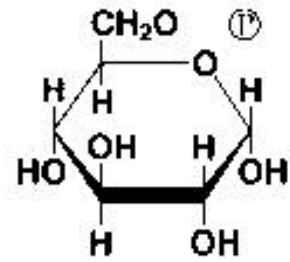


phospho gluco mutase



$$\Delta G^0 = -1.76 \text{ Kc/m}$$

glucose 6 p



initiate reaction @ 0.2 molar concentrations

@ equilibrium measure Keq

$$\frac{[P]}{[R]} = \frac{G6P}{G1P} = \frac{0.19}{0.01}$$

$$\text{Keq} = 19$$

$$\Delta G^0 = -1,374 \log_{10} \text{Keq}$$

$$= -1,374 \log_{10} 19$$

$$= -(1,374) (1.2788)$$

$$= -1,757 \text{ cal/mole}$$

Exergonic & Spontaneous