Question #62236, Chemistry / Physical Chemistry Question: Phosphoenolpyruvate + H2O ↔ Pyruvate + Phosphate

For this reaction, Keq' =7.4x1010Units

Determine the unit of Keq

Answer:

$$\Delta G^{o}' = -RT \ln K'_{eq} \quad \text{or } K'_{eq} = e^{\left(\frac{-\Delta G^{o}'}{RT}\right)}$$

$$\Delta G = \Delta G^{o} + RT \ln \left[\frac{[C][D]}{[A][B]} \right]$$

 ΔG =-RTLnKeq

Only if we know concentration of all molecules in equlibrium we can find Keq.

https://www.AssignmentExpert.com