GEOL 135 Next-day assignment due 09-17-10 Fall 2010

For the following reaction, calculate G0R using the given G0f values, and determine log K:

Fe2+ + H2S 🡪 FeSmack + 2 H+

G0f Fe2+ = -21.87 kcal/mol

G0f H2S = -6.66 kcal/mol

G0f FeSmack = -22.3 kcal/mol

G0f H+ = 0 J/mol

R = 1.985 cal K-1 mol-1

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