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k eq enol keto and enol are functions of  
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determined by integrating the enol and  
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web the relative amounts of products  
and reactants at equilibrium is  
characterized by the equilibrium  
constant for this reaction  $k_{eq}$  is defined  
as  $\frac{[enol]}{[keto]}$  where the  
subscript eq indicates that all  
concentrations are measured at  
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web because the system exists  
essentially completely as the thiol  
isomer a carbon acid acidity constant  
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form as the initial state  $K_a$  could not be  
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constant  $K_{eq}$  could not be determined

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