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[determination of keto-enol equilibrium constants academia.edu](#) - Apr 27 2023

web using NMR spectroscopy the equilibrium values for different ketones which undergo tautomerization were found by determining relative peak values for each species the value for acetylacetone was found to be $K_c = 6.622$ and for ethyl acetoacetate was $K_c = 7.510$

solved nmr determination of keto-enol equilibrium constants - Jul 19 2022

web nmr determination of keto-enol equilibrium constants the NMR spectrum below is for acetylacetone with $CDCl_3$ as solvent the photos depict the complete NMR spectrum as well more zoomed-in areas of each peak demonstrate how to calculate the equilibrium constant for keto-to-enol conversion K_c