

**Excited-State Proton Transfer in Nonaqueous Solvent.** Htun, Than.  
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**Abstract**

Excited-state proton transfer from pyranine to urea in methanol soln. was studied by using both steady-state quenching and fluorescence lifetime measurements at room temp. Proton transfer initially requires a urea monomer to form a protonated urea monomer, which is then solvated by methanol. The exptl. data demonstrates the emission that would be attributed to an encounter pair. A set of rate consts. is obtained on the basis of a simple kinetic model.