

Titration of butyllithium (from JOC **1991**, 56, 4566):

2,2'-bipyridine (~5 mg) was dissolved in 3 mL of dry ether. *n*-Butyllithium in hexanes (50 μ L) was added, such that a deep red color persisted. A 1.00 M solution of dry 2-butanol in benzene was added dropwise until the color dissipated, forming the yellow dihydropyridine indicator.

n-Butyllithium in hexanes (100 μ L) was added to the indicator solution, turning it red. The 2-butanol solution was then added dropwise until the solution turned back to yellow. The concentration of butyllithium can be determined by dividing the amount of 2-butanol solution used by 100 μ L (the amount of *n*-butyllithium solution used).