Synthesis of pan-JAK Inhibitor PF-06263276

**Significance:** PF-06263276 is a pan-Janus kinase inhibitor that is of interest for the treatment of inflammatory diseases. The synthesis depicted is a telescoped variant of the discovery synthesis (P. Jones et al. J. Med. Chem. 2017, 60, 767). A notable feature is the three-step conversion of nitrile D into crystalline imidazole dihydrochloride H in 81% yield.

**Comment:** The dimethylsulfamoyl protecting group on indazole D served two purposes. It enhanced the electrophilicity of the nitrile group, and it increased the stability of the imidate E. Unfortunately, hydrolysis of the dimethylsulfamoyl group required 35% aqueous sulfuric acid at 105 °C for sixteen hours.