Silica-Supported Silver Nitrate as a Highly Active Dearomatizing Spirocyclization Catalyst: Synergistic Alkyne Activation by Silver Nanoparticles and Silica


**Significance:** Silica-supported silver nitrate (AgNO₃/SiO₂) catalyzed the dearomatizing spirocyclization of alkyne-tethered aromatics to give the corresponding spirocycles in 86–100% yield (eqs. 1–4).

**Comment:** The continuous-flow reaction of 1-(1H-indol-3-yl)-4-phenylbut-3-yn-2-one on a column of AgNO₃/SiO₂ gave 5-phenyl-3H-spirocyclopent-4-ene-1,3′-indol]-3-one in quantitative yield (eq. 5).