Rhodium-Catalyzed Asymmetric Arylation of Diarylmethylamines


Comment: A variety of triarylmethanes were generated using this strategy. Substitution of all three aryl groups were tolerated well, giving good to excellent enantioselectivities. One limitation was noted: the enantioselectivity was reduced for substrates with ortho-substitution on Ar1. The final products could also be deoxygenated through tri-flation followed by palladium-catalyzed hydrogenolysis.