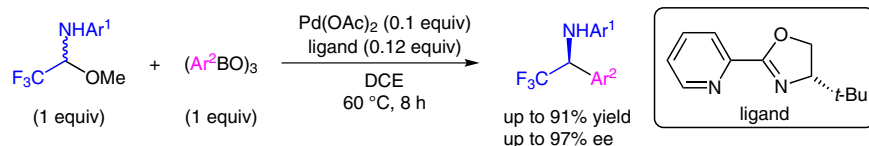
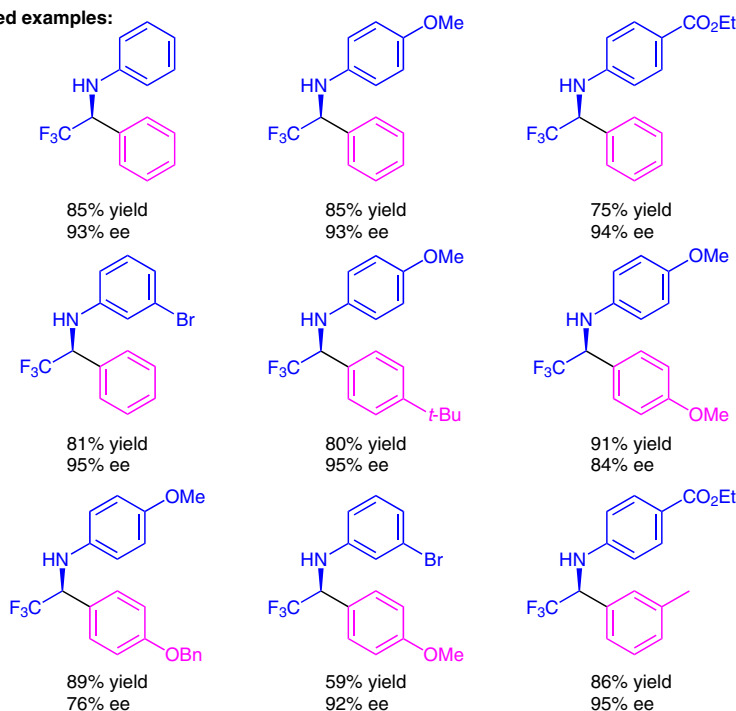


Pd-Catalyzed Enantioselective Synthesis of α -(Trifluoromethyl)arylmethylamines



Selected examples:



Significance: Trifluoromethylacetaldimines, generated in situ from the corresponding N,O -acetals, undergo 1,2-addition of arylboronoxines under palladium catalysis to generate a variety of R -(trifluoromethyl)arylmethylamines with good to high enantioselectivity and yield.

Comment: The reported protocol is very versatile since it proceeds without the exclusion of ambient air and moisture. Moreover, several functional groups are tolerated, and readily available N,O -acetals synthesized from trifluoroaldehyde are used as starting materials.