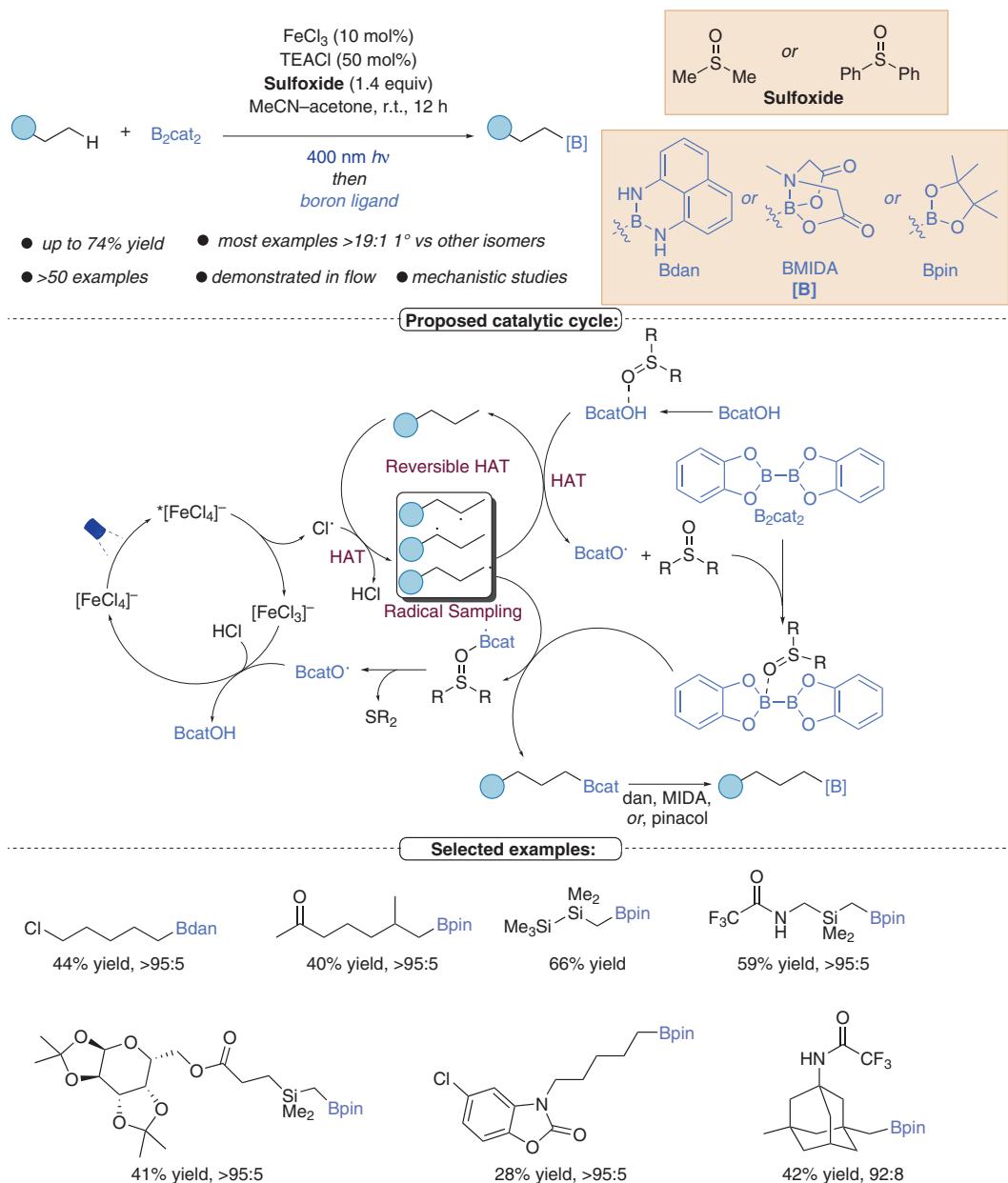


Terminal C–H Borylation Enabled by Visible Light Iron Photocatalysis



Significance: Wang and co-workers report a terminal sp³ C–H borylation under photocatalytic conditions. Products arising from 2° and 3° C–H group functionalization were found in low yields. The regioselectivity was attributed to radical sampling due to varying steric encumbrance between radicals.

Comment: Key to enabling the observed selectivity was the inclusion of a sulfoxide to enable reversible HAT from a borinic acid sulfoxide complex. Interestingly the use of the sulfide rather than sulfoxide led to no apparent selectivity between regioisomers.