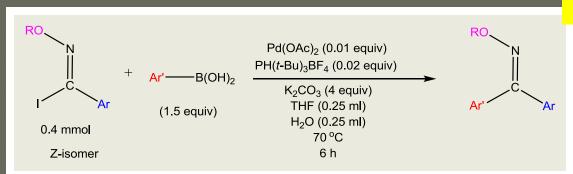
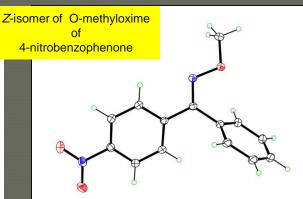
## Synthesis of a single isomers of oxime ethers through Suzuki coupling

Debra D. Dolliver, Department of Chemistry and Physics, Southeastern Louisiana University, Hammond, LA 70402

Suzuki coupling reactions of *N*-alkoxyimidoyl iodides have been developed to given excellent yields of single isomers of oxime ethers. The synthesis of a single isomer of an oxime ether is not possible through common condensation reactions which makes both isomers.





The Suzuki coupling reaction proceeds with retention of configuration. This allows for complete targeting of the desired E or Z isomer of the product. If the ring substituent is included in the Ar of the imidoyl iodide, the E isomer of the product will be made. If the substituent is included in the Ar' of the boron coupling partner, the Z isomer of the product will be synthesized.

