



Other oxazole syntheses

Recently, the direct synthesis of oxazoles from aldehydes has been enabled by conducting the cyclization reaction in the presence of an oxidant, such as BrCCl_3 .³³ Similarly, the Wang group has developed a practical, metal-free, iodine-catalyzed tandem oxidative cyclization providing for the synthesis of 2,5-disubstituted oxazoles.³⁴ As demonstrated in the reaction below, the reaction, proceeding through a sequential condensation/cyclization/oxidation process, results in the preparation of a wide variety of substituted oxazoles. A large number of aromatic and heteroaromatic aldehydes has been shown as viable substrates in this very general process.

