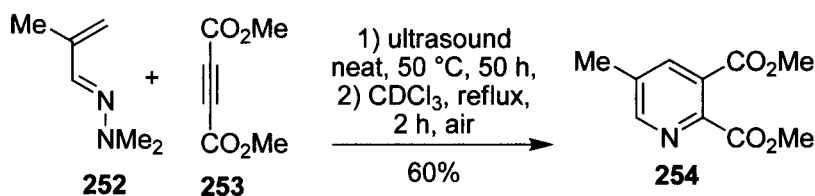
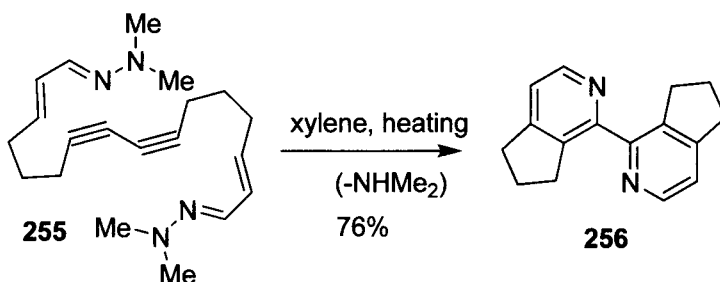


Ultrasound irradiation facilitated the Diels–Alder reaction of dimethylhydrazone **252** with acetylene **253** to afford pyridine **254** in shorter reaction time and increased yields in comparison to the conventional heating conditions.<sup>157</sup>



Heating **255** led to double intramolecular Diels–Alder reaction followed by aromatization to afford 2,2'-bipyridine **256**.<sup>158</sup>



1,2,3-Triazine **257** can also serve as the 1-azadiene to undergo inverse-electron demand Diels–Alder reactions with alkynes or enamines such as **259** to give substituted pyridines **258** or **260**. Anderson and Boger<sup>159</sup> recently reported a systematic study of this reaction, demonstrating that the