Catalytic Alkoxy Carbonylation of Mono- or Dipropynyl Aryl Amines as Convenient Path to New Cyclic and Acyclic Aryl Amino Acetylenic Acids Esters

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It is reported that new potential physiological active compounds - cyclic aryl amino acids esters and acyclic aryl amino acetylenic acids esters have been synthesised by catalytic alkoxy carbonylation of mono- or dipropynyl aryl amines. Palladium chloride catalysis with including copper (II) chloride in palladium reoxydation cycle has been used.

The results of N,N-dipropynyl aryl amines alkoxy carbonylation depend both electron character of substituents and reagents correlation in reaction mixture.