

## عنوان مقاله:

Synthesis of heteroarylated acetanilide derivatives in the presence of copper salts

## محل انتشار:

سومین کنفرانس سراسری نوآوری های اخیر در شیمی و مهندسی شیمی (سال: 1395)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

Aryl pyridine derivatives are important building blocks in organic synthesis.[1] They have found widespread application in natural products, herbicides, surfactants, insecticides, pharmaceuticals and biologically active compounds.[2] The C–N bond forming reactions through C-H functionalization have emerged as one of the most important strategy in synthetic chemistry due to elimination of prefunctionalization step of the coupling partners.[3] In recent years, much attention has been paid to transition metals as C-H bond activating agents. Using inexpensive transition metals such as copper, as an activating agent for C-H bond activation, is economically of great importance. The use of cyanate salts as a coupling partner to form C-N bond have been reported rarely. In this work, the heteroarylated acetanilide derivatives are prepared from 2-arylpyridines in the presence of copper salts. By this protocol, various heteroarylated acetanilide derivatives are synthesized in good yields. 2-phenylpyridines containing electron-donating and electron-withdrawing groups are supposed to be well tolerated by this transformation

## کلمات کلیدی:

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