

عنوان مقاله:

Synthesis of Functionalized Quinolines Derivatives via Intramolecular C-H Activation Reactions of Isocyanides, Aniline and N-Sulfonylketenimine

محل انتشار:

هفتمین کنفرانس ملی شیمی و توسعه فناوری نانو (سال: 1402)

تعداد صفحات اصل مقاله: 6

نویسنده:

Sayedeh Manijeh Nematpour Turkey - Department of Chemistry Education, Farhangian University, Tehran, Iran

خلاصه مقاله:

A novel class of substituted quinolines was synthesized with good yields in a one-pot, four-component tandem reaction by intramolecular C-H activation of isocyanides with N-sulfonylamidines, catalyzed by copper(I)iodide and L-proline as a ligand in acetonitrile at room temperature. The readily available starting materials, no need for column chromatography, mild catalytic conditions and moderate to high yields, are important features of this simple one pot reaction.

کلمات کلیدی:

Copper catalysis; Quinolines; Sulfonylketenimines; Isocyanide; C-H Activation

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/2037778>

