An efficient access to 2,3-diarylimidazo[1,2-a]pyridines via silver(I)-catalyzed C-H bond functionalization

Abstract

An efficient and economic Ag-catalyzed method for the direct cross-coupling of unactivated imidazo[1,2-a]pyridines with arylboronic acids has been developed. This approach leads to the formation of corresponding 2,3-diarylimidazo[1,2-a]pyridine derivatives as biological and pharmaceutical materials of interest in good yields under mild reaction conditions. Graphical abstract: [Figure not available: see fulltext.]. © 2017, Springer-Verlag Wien.