Abstract

A range of new indole derivatives have been made from the commercially available indole-3-acetic acid. Esterification of Indole-3-acetic acid and then the reaction of resulting ester with hydrazine afforded the hydrazide in good yield. Then the hydrazide was treated with a variety of aryl sulfonyl chlorides, anhydrides and phenyloxycarbonyl chlorides which afforded the targeted sulfonamides, amides and carbamate in good to excellent yields. Antioxidant, antibacterial and enzyme inhibition activities of these derivatives were tested.