

## Efficient Synthesis of Thiourea Based Iminothiazoline Heterocycles

**Authors :** Hummera Rafique, Aamer Saeed

**Abstract :** Thioureas are highly biologically active compounds, as many important applications are associated with this nucleus. They serve as exceptionally versatile building block for the synthesis of wide variety of heterocyclic systems, which also possess extensive range of bioactivities. These thioureas were converted into five-membered heterocycles with imino moiety like ethyl 4-[2-benzamido-4-methylthiazol-3(2H)-yl]benzoates (2a-j) by base catalyzed cyclization of corresponding thioureas with 2-bromoacetone and triethylamine in good yields.

**Keywords :** ethyl 4-[2-benzamido-4-methylthiazol-3(2H)-yl]benzoates, ethyl 4-(3-benzoylthioureido) benzoates, antibacterial activity

**Conference Title :** ICC 2015 : International Conference on Chemistry

**Conference Location :** London, United Kingdom

**Conference Dates :** March 14-15, 2015