Med chem (Los Angeles) 2018, Volume 8
DOI: 10.4172/2161-0444-C1-040



## Synthesis of dihydroquinoline carboxamide derivatives, as anti-tubercular agents

**Gautam Kumar** and **Sanjay M Jachak**
NIPER, India

Quinoline derivatives have wide applicability in various fields of medicinal, industrial, bio-organic and synthetic organic chemistry. Sodium trifluromethanesulfonate, and glacial acetic acid efficiently catalyzed the synthesis of dihydroquinoline via Friedländer annulation. The synthesized dihydroquinoline analogues coupled with different amines by the use of coupling reagent gave dihydroquinoline carboxamide derivatives in moderate to good yields. The synthesized compounds were evaluated for the anti-tubercular activity and cytotoxic activities. The structure of all the novel compounds were confirmed using 1H NMR, 13C NMR and mass spectral techniques.

Kumargautamgalaxy@gmail.com