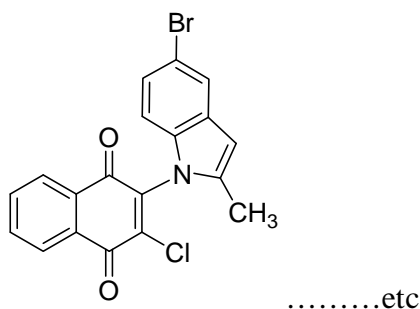


Synthesis of novel mono N-substituted naphthoquinone compounds as bioactive agents

Naphthoquinone structure acts as an intermediate in the biosynthesis of important antibiotics. They exhibit a number of biological activities which include antidiabetic, anticancer, cytotoxic enzyme inhibitory and antioxidative activities. They have also been used as charge transfer complexes and chemical sensors. They act as electron-proton carriers for carrying oxygen in biochemical reactions.

The novel mono N-substituted 1,4-naphthoquinone compounds were characterized spectral methods such as micro analysis, FT-IR, $^1\text{H-NMR}$, $^{13}\text{C-NMR}$, MS and CV.



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