Dedication:

Dedicated to:

*The spirit of my father*........

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Abstract
Twenty eight sulphonylureas derivatives together with their corresponding intermediates were prepared in this work. The synthetic designing of these compounds was based upon suitable retrosynthetic analysis of the target molecule through the use of the disconnection approach. Accordingly the target sulphonylureas were prepared in a three step reaction. Aryl sulphonylchloride were allowed to react with ammonia or hydrazine to form sulphonamides which were allowed to react with ethyl chloroformate to form the corresponding carbamate.

The final step involved the nucleophilic acyl substitution of some selected amines and the intermediate carbamate to form the required aryl sulphonylureas. The synthetic pathway and the mechanisms of the different reactions were given and discussed in chapter three of this work. Spectral data of the intermediate and final compounds were discussed and compared with each other in order to elucidate the structure of the prepared compounds.
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