



ChemTech

## International Journal of ChemTech Research

CODEN(USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555

Vol.10 No.6, pp289-294,2017

### Synthesis, Characterization and Cytotoxic Activity of Novel Dithiocarbamates

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**Abstract:** The present work emphasizes the synthesis, characterization of Arylsulfonyldithiocarbamates. The six synthesized dithiocarbamate compounds were purified by recrystallisation or thin layer chromatographic techniques. All the synthesized compounds were characterised by physical and spectral methods (<sup>1</sup>H-NMR and <sup>13</sup>C-NMR). The present study also aimed to evaluate the cytotoxic activity of arylsulfonyldithiocarbamates attached to different heterocyclic amines by standard assay using Bengalgram seed radical model were compared with the standard drug cyclophosphamide and control.

**Key words:** Arylsulfonyldithiocarbamates, characterisation, cytotoxic activity, radical model, cyclophosphamide, control.

D.Ravi Kumar *et al*/International Journal of ChemTech Research, 2017,10(6): 289-294.

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