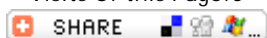




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Research Details :

Research Title : Synthesis of 1-p-sulfamylphenyl-3-trifluoromethylpyrazoles class of cyclooxygenase-2 inhibitors.
Synthesis of 1-p-sulfamylphenyl-3-trifluoromethylpyrazoles class of cyclooxygenase-2 inhibitors.

Descriptipn : Condensation of p-sulfamylphenylhydrazine with diketones 1 afforded pyrazoles 2. Reaction of 2 with isocyanate and isothiocyanate derivatives gave the corresponding ureas 3 and thioureas 4 respectively. Cyclization of the thioureido group of compounds 4 by treating with ethyl bromoacetate, ethyl beta-bromopropionate and alpha- bromoacetophenone afforded the corresponding thiazolidinone, thiazinone and thiazoline derivatives 5, 6 and 7 respectively.

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