PATENT NO. 352126

AZA-HETEROCYCLE BASED COMPOUNDS AS HIGHLY EFFECTIVE ANTI-INFLAMMATORY AGENTS

APPLICATION NO. 201811006990

APPLICANT
Guru Nanak Dev University, Amritsar, Punjab

ABSTRACT
The present disclosure relates to aza-heterocycle based compounds of formula (I) or its pharmaceutically acceptable salts thereof.formula (I). The compound of the present disclosure are highly effective anti-inflammatory agents. The present disclosure relates to pharmaceutical compositions containing the compounds of formula (I) or its pharmaceutically acceptable salts thereof. The present disclosure relates to a process for the preparation of aza-heterocycle based compounds or its pharmaceutically acceptable salts thereof.

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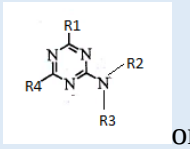
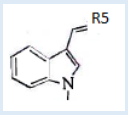
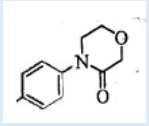
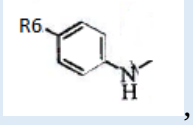
CLAIM 1

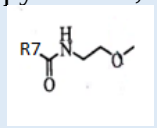
An aza-heterocycle based compound of formula (I)



or its pharmaceutically acceptable salts thereof, wherein



R1 is selected from Cl or ; R2 and R3 are independently selected from the group consisting of H, C1-C6alkyl  and; or both R2 and R3 groups are joined together along with N-atom to form a 5-6 membered heterocyclic group; R4 is selected from the group consisting of Cl, NH2, morpholine, pyrolidine, N-phenylpiperazine, cyclohexylamine, benzylamine, 

, and 

R5 is selected from the group consisting of O, pyrazoles, N,N-dimethylbarbituric acid, oxindole, and indolinone; R6 is selected from the group consisting of H, halogen, C1-C6R7 is selected from the group consisting of 2-chlorothiophene, tosyl, 2-fluorophenyl and benzylpyrrolidine-1-carboxylate.