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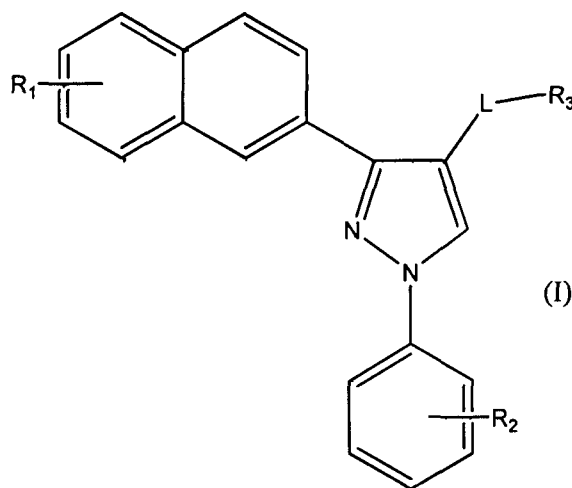
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Abstract

Disclosed herein a class of 1,3-diaryl pyrazole compounds useful in treating inflammation and inflammation-related disorders. Also disclosed herein, the method manufacturing and pharmaceutical compositions of those compounds. The compounds of particular interest are defined by Formula I.

Formula I :



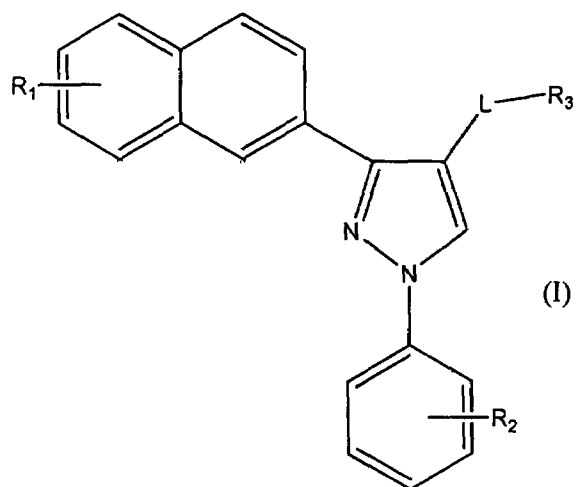
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What is claimed is:

1. A compound of Formula I or its pharmaceutically acceptable salt.



wherein R_1 is selected from hydrogen, alkyl, or alkoxy group, R_2 is selected from hydrogen, alkyl, alkoxy, halogen, nitro, mercapto, wherein R_3 is selected from alkyl or aryl, heteroaryl, saturated

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heterocyclic substituent and wherein L is a linker comprising two to four hetero atom wherein hetero atom is selected from CONH, CON, and CH₂NHSO₂

2. Compound of Claim 1, wherein R₁ is selected from hydrogen, methyl, methoxyl; wherein R₂ is selected from hydrogen and wherein R₃ is phenyl having one or more substitutions of electron withdrawing or electron releasing group at ortho, meta or para position. 3 Compound of claim 1, wherein electron withdrawing group is selected from chloro, fluoro, bromo and nitro.

4 Compound of claim 1, wherein electron releasing group is selected from methyl, ethyl, methoxyl, ethoxyl and hydroxyl.

5. Compound of Claim 1-4 selected from compounds, or their pharmaceutically acceptable salts, of the group of compounds consisting of *N*-1-Diphenyl-3-(6-methoxy-2-naphthalen-2-yl)-1*H*-pyrazole-4-carboxamide.

N-(4-Chlorophenyl)-3-(6-methoxynaphthalen-2-yl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(4-Methylphenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(4-Bromophenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(4-Methoxyphenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(4-Fluorophenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(4-Nitrophenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(3-Chloro-4-fluorophenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(3,4-Dichlorophenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

3-(6-Methoxy-2-Naphthyl)-1-phenyl-1*H*-4-pyrazolyl-pyrrolidinomethanone.

3-(6-Methoxy-2-Naphthyl)-1-phenyl-1*H*-4-pyrazolyl-piperidinomethanone.

3-(6-Methoxy-2-Naphthyl)-1-phenyl-1*H*-4-pyrazolyl-morpholinomethanone.

3-(6-Methoxy-2-Naphthyl)-1-phenyl-1*H*-4-pyrazolyl-4-methylpiperazino methanone.

N-[3-(6-Methoxy-2-naphthyl)-1-phenyl-1*H*-4-pyrazolylmethyl]methane sulfonamide.

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3-(6-Methoxy-2-naphthyl)-1-phenyl-4-phenylsulphonamidomethyl-1*H*-pyrazole.

3-(6-Methoxy-2-naphthyl)-4-(4-methylphenylsulphonamidomethyl)-1-phenyl-1*H*-pyrazole.

4-(4-Chlorophenylsulphonamidomethyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole.

4-(4-Aminophenylsulphonamidomethyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole.

6. A pharmaceutical composition comprising a therapeutically-effective amount of a compound of claim 1-4 and a pharmaceutically-acceptable carrier, wherein said compound is selected from

N,1-Diphenyl-3-(6-methoxy-2-naphthalen-2-yl)-1*H*-pyrazole-4-carboxamide

N-(4-Chlorophenyl)-3-(6-methoxynaphthalen-2-yl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(4-Methylphenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(4-Bromophenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(4-Methoxyphenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(4-Fluorophenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(4-Nitrophenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(3-Chloro-4-fluorophenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

N-(3,4-Dichlorophenyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole-4-carboxamide.

3-(6-Methoxy-2-Naphthyl)-1-phenyl-1*H*-4-pyrazolyl-pyrrolidinomethanone.

3-(6-Methoxy-2-Naphthyl)-1-phenyl-1*H*-4-pyrazolyl-piperidinomethanone.

3-(6-Methoxy-2-Naphthyl)-1-phenyl-1*H*-4-pyrazolyl-morpholinomethanone.

3-(6-Methoxy-2-Naphthyl)-1-phenyl-1*H*-4-pyrazolyl-4-methylpiperazino methanone.

N-[3-(6-Methoxy-2-naphthyl)-1-phenyl-1*H*-4-pyrazolylmethyl]methane sulfonamide

3-(6-Methoxy-2-naphthyl)-1-phenyl-4-phenylsulphonamidomethyl-1*H*-pyrazole

3-(6-Methoxy-2-naphthyl)-4-(4-methylphenylsulphonamidomethyl)-1-phenyl-1*H*-pyrazole.

4-(4-Chlorophenylsulphonamidomethyl)-3-(6-methoxy-2-naphthyl)-1-phenyl-1*H*-pyrazole.

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7. A method of treating inflammation or an inflammation-associated disorder in a subject, said method comprising administering to the subject having said inflammation or said inflammation-associated disorder, a therapeutically-effective amount of a compounds of claim 5.

Dated this the day of April, 2014

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16/4/2014

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