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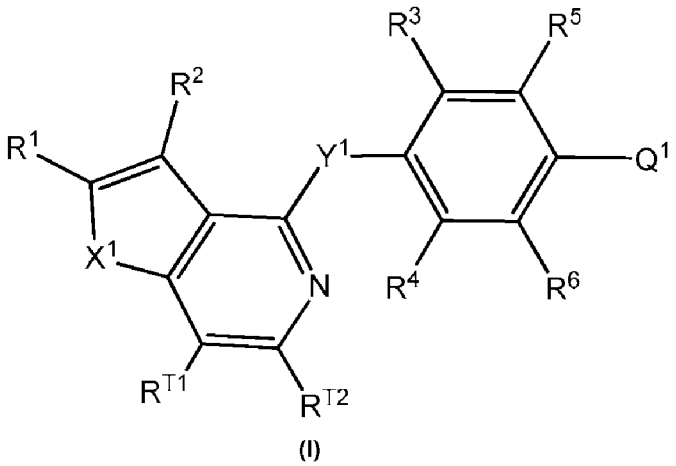
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[Continued on next page]

(54) Title: HETEROAROMATIC COMPOUNDS AND THEIR USE AS DOPAMINE D1 LIGANDS



(I)

(57) Abstract: The present invention provides, in part, compounds of Formula I: and pharmaceutically acceptable salts thereof and N-oxides thereof; processes and intermediates for preparation of; and compositions and uses thereof. The present invention further provides D1 agonists with reduced D1R desensitization, D1 agonists with a reduced β- arrestin recruitment activity relative to Dopamine, D1 agonists interacting significantly with the Ser188 but not significantly with the Ser202 of a D1R when binding to the D1R, D1 agonists interacting less strongly with the Asp103 and interacting less strongly with the Ser198 of a D1R when binding to the D1R, and their uses.

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— *as to the identity of the inventor (Rule 4.17(i))*

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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