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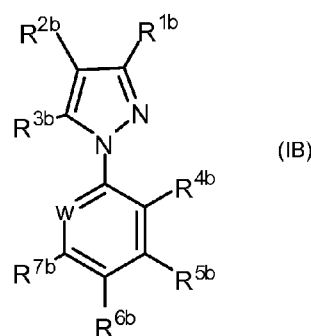
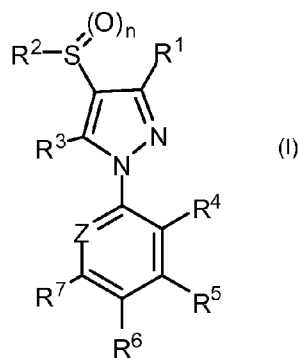
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(54) Title: IMPROVED PROCESSES FOR THE PREPARATION OF 1-ARYL-5-ALKYL PYRAZOLE COMPOUNDS



(57) Abstract: Provided are improved processes for the preparation of 1-aryl pyrazole compounds of formula (I) and (IB): which are substituted at the 5-position of the pyrazole ring with a carbon-linked functional group. The process described are efficient and scalable and do not utilize hazardous sulfonyl halide reagents.