

Synthesis of Fluoroquinoxalin-2(1*H*)-one Derivatives Containing Substituents in the Pyrazine and Benzene Fragments

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Abstract—6,7-Difluoroquinoxalin-2-one reacted with indoles, 5,5-dimethylcyclohexane-1,3-dione, 3-methyl-1-phenyl-1*H*-pyrazol-5(4*H*)-one, resorcinol, and pyrogallol on heating in acetic acid to give products of hydrogen substitution in the heterocyclic fragment. Heating of 6,7-difluoro-3-(1*H*-indol-3-yl)quinoxalin-2(1*H*)-ones with *N*-methylpiperazine gave the corresponding 7-(4-methylpiperazin-1-yl) derivatives.

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