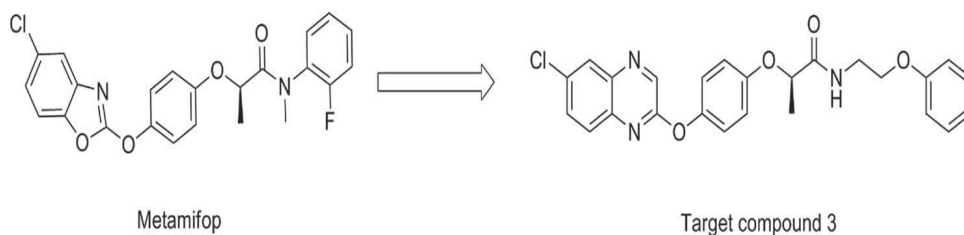


Synthesis and Herbicidal Activity of 2-(4-Aryloxyphenoxy)propionamides

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ABSTRACT Two novel 2-(4-aryloxyphenoxy)propionamide derivatives were synthesized based on the structure of metamifop. Their structures were confirmed by ¹H nuclear magnetic resonance, elemental analysis, and optical rotation. The preliminary bioassay results showed that the title compounds possessed potent herbicidal activities at the dosage of 150 g.a.i/hm².



KEYWORDS Metamifop, Propionamide, Synthesis, Herbicidal activities.