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(54) Title: METHOD FOR AROMATIC FLUORINATION

(57) Abstract: Disclosed is a fluorination method comprising providing an aryl fluorosulfonate and a fluorinating reagent to a reaction mixture; and reacting the aryl fluorosulfonate and the fluorinating reagent to provide a fluorinated aryl species. Also disclosed is a fluorination method comprising providing, a salt comprising a cation and an aryloxyate, and SO₂F₂ to a reaction mixture; reacting the SO₂F₂ and the ammonium salt to provide a fluorinated aryl species. Further disclosed a fluorination method comprising providing a compound having the structure Ar-OH to a reaction mixture; where A is an aryl or heteroaryl; providing SO₂F₂ to the reaction mixture; providing a fluorinating reagent to the reaction mixture; reacting the SO₂F₂, the fluorinating reagent and the compound having the structure Ar-OH to provide a fluorinated aryl species having the structure Ar-F.

