

## An Overview of Medicinal Chemistry of Fluorine

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**ABSTRACT:** Many drugs contain fluorine atoms or fluorine-containing groups. Fluorinated functional groups are typically used by the medicinal chemistry communities to influence the physicochemical, pharmacokinetic, and pharmacodynamic properties of small molecules. This lecture aims to illustrate the effect of fluorine on compounds at the physicochemical level, and its consequent impact on pharmacological properties, using practical examples. The lecture will also be highlighting a recent research about Co-catalytic Hydrothiolation of gem-Difluoroalkenes.