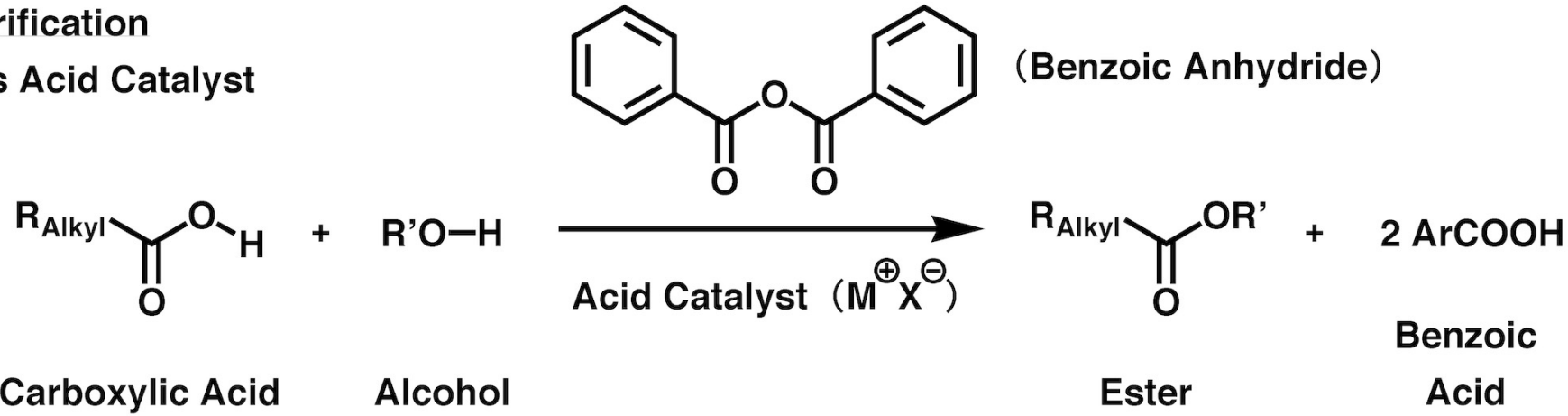
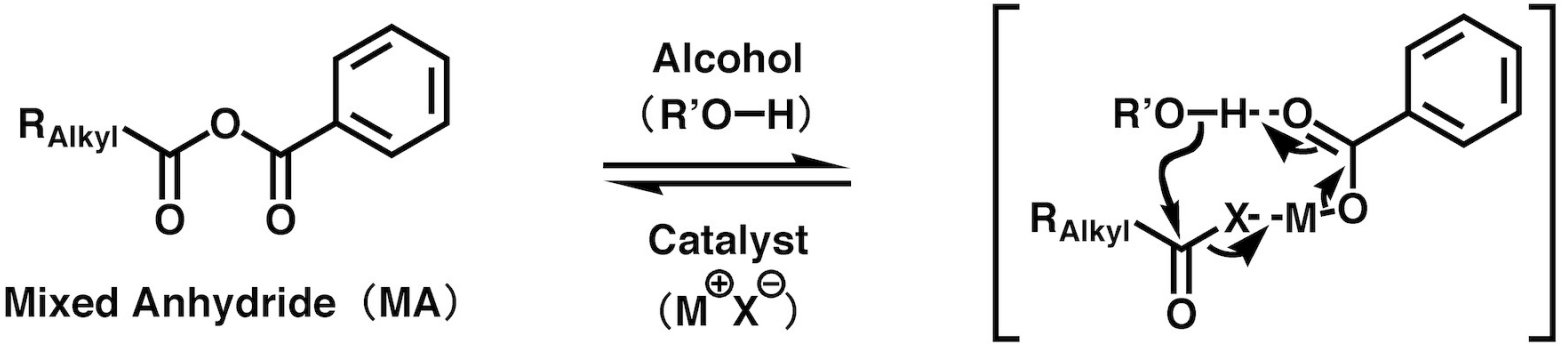
Shiina Esterification
Using Lewis Acid Catalyst



■First Step

Aromatic Anhydride ($(ArCO)_2O$) such as TFBA
Lewis Acid Catalyst ($M^{\oplus}X^{\ominus}$)
– ArCOOH

■Second Step
– ArCOOH
– $M^{\oplus}X^{\ominus}$ (Regeneration)