

ITC Isothermal Titration Calorimetry

Experimental Physical Chemistry

Solution... Solvation

Binding equilibrium

Micellization

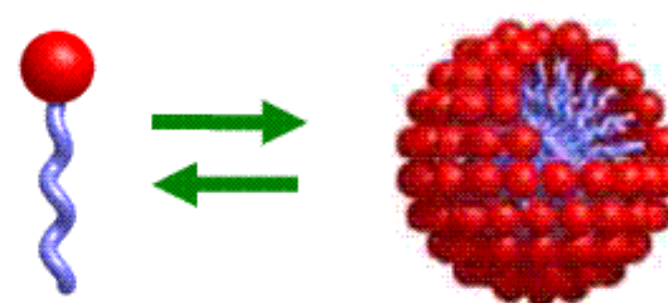
LLE

Interaction

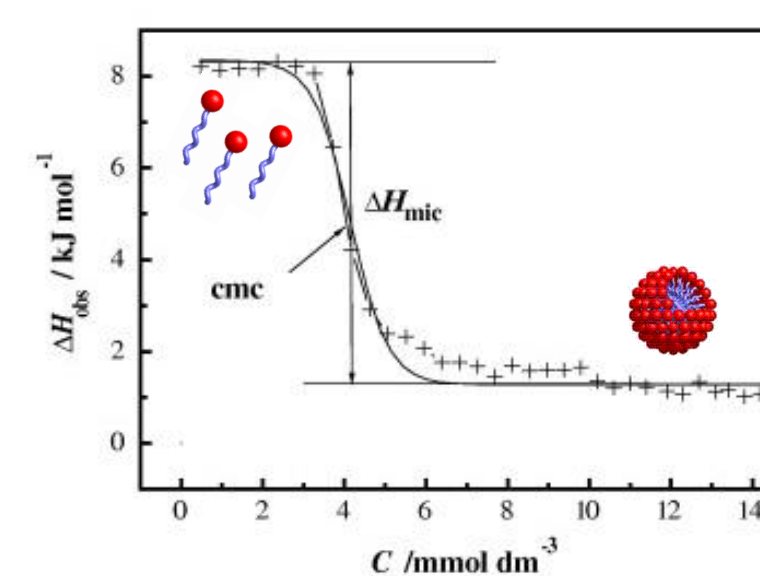
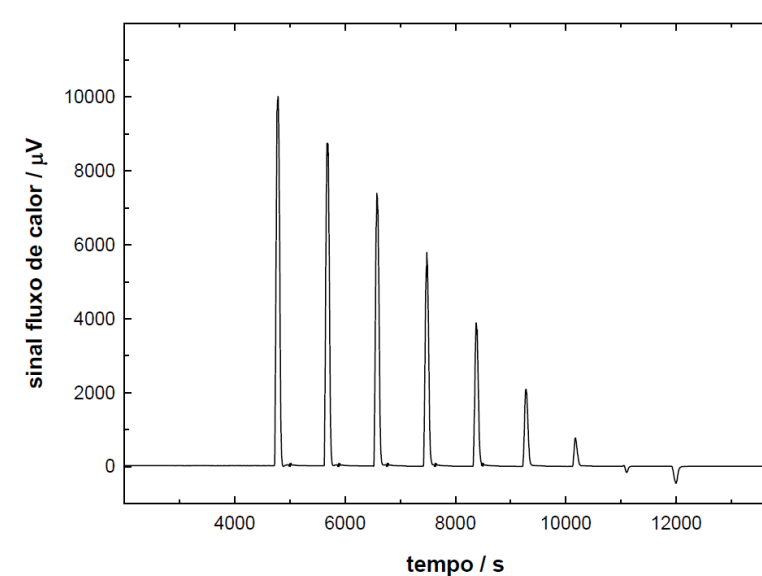
Drugs Screening

Solubility

Infinite dilution

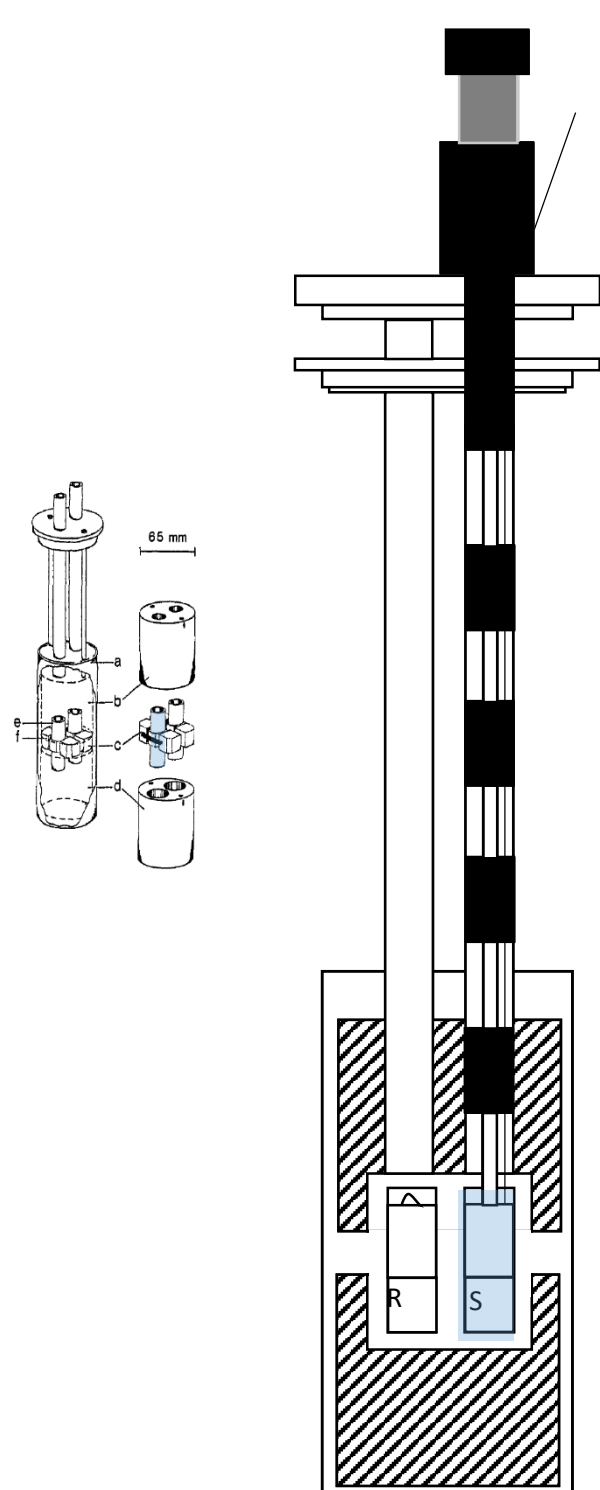
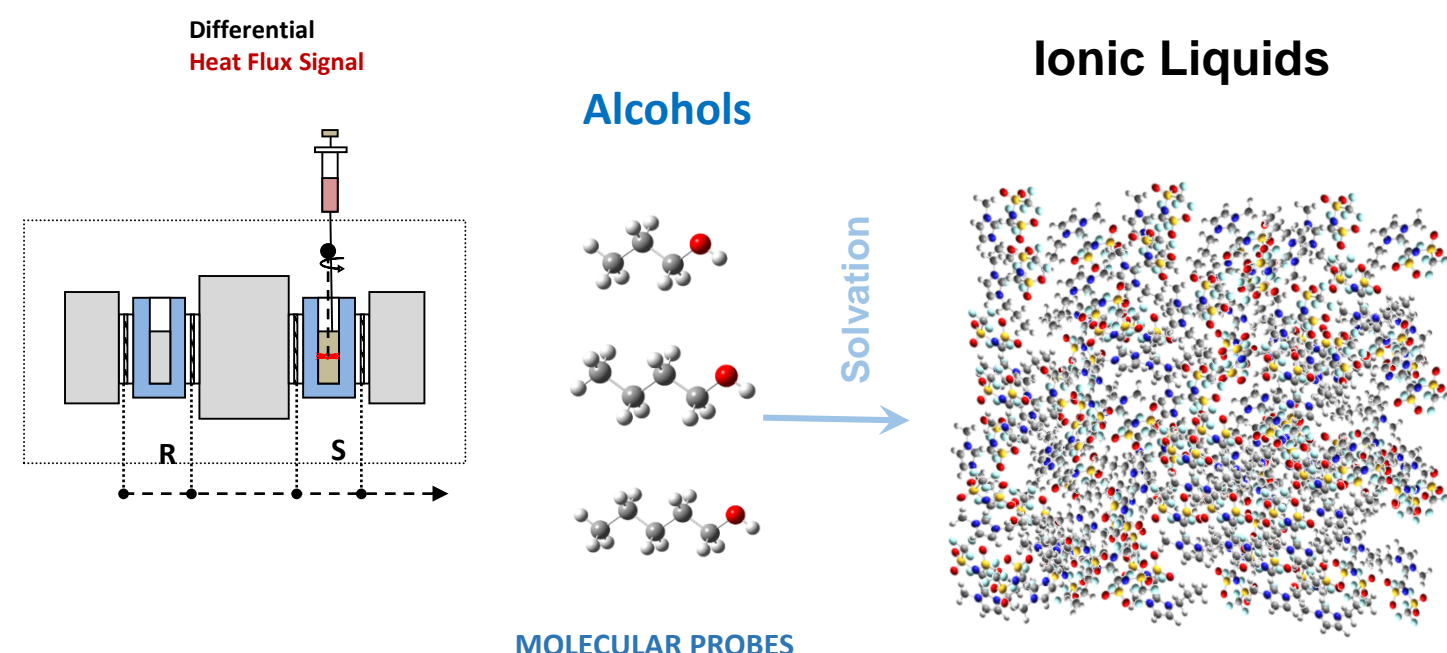


$K, \Delta H, \Delta S$



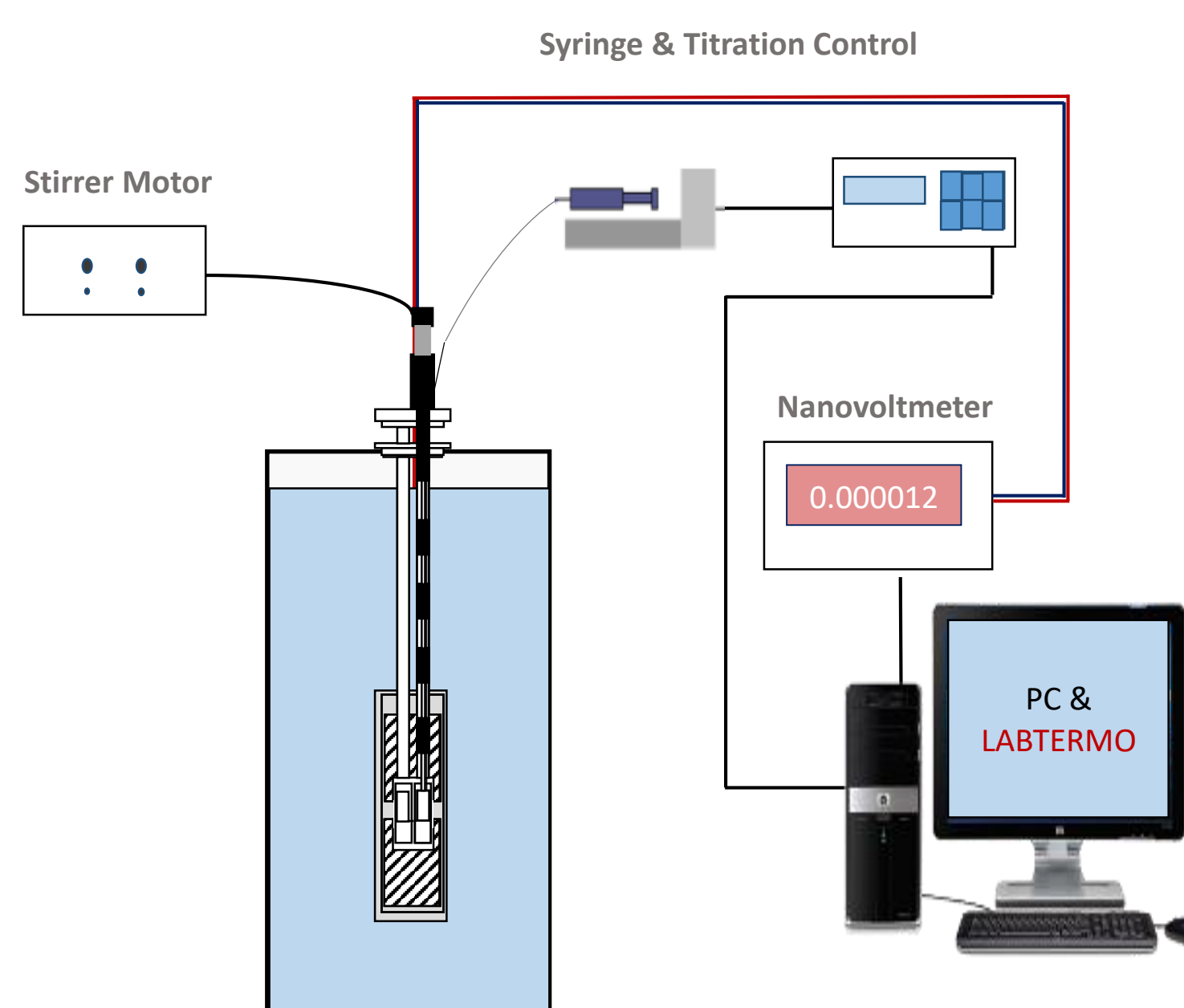
Methodologies & Application

Solvation of alcohols in Ionic Liquids



Calorimetric Channel

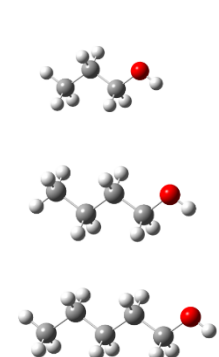
Calorimetric System



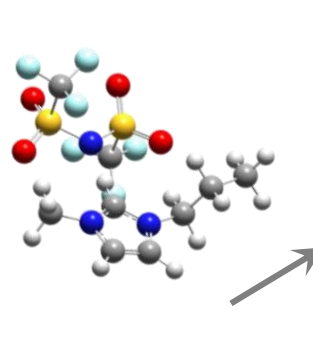
Experimental Methodology

Results & Achievements

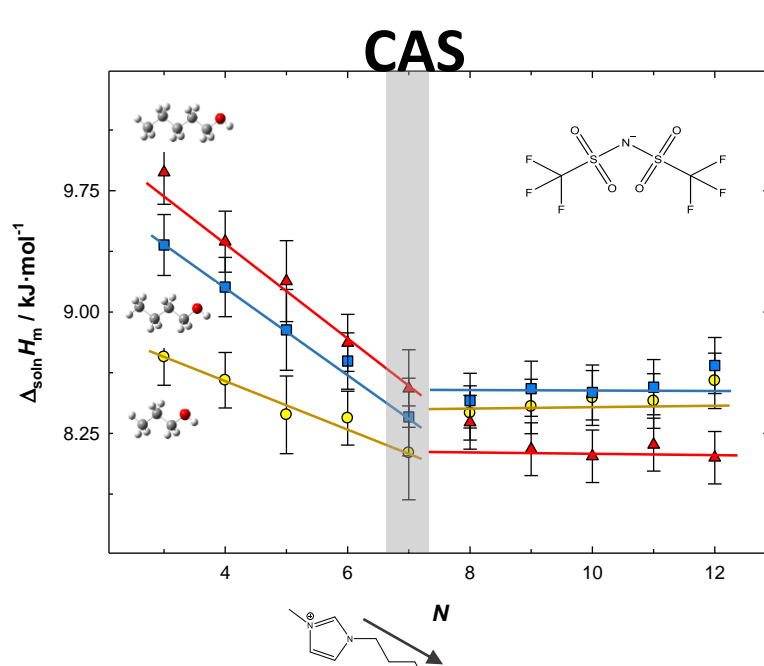
Alcohols



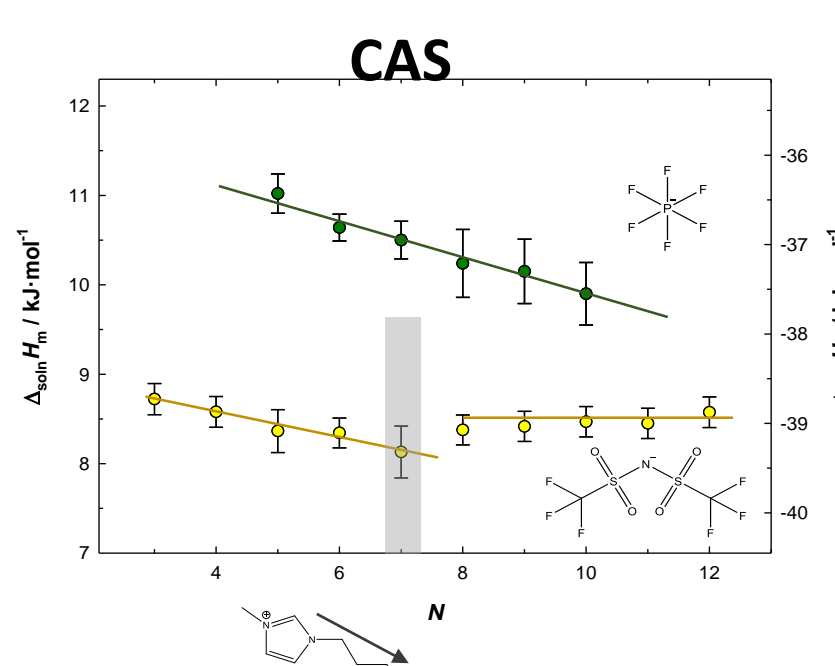
$[C_{n-1}C_1im][NTf_2] \dots [PF_6]$



Alkyl side chain length ($N = 3 - 12$)



Nanostructuring



Anion Effect

Solvation in ILs

