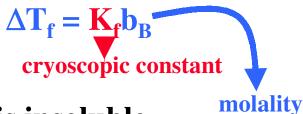
Consequences of chemical potential changes in mixtures: Colligative properties

Chemical

Potential

solute

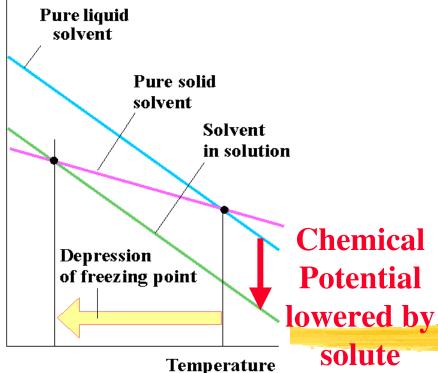
Freezing point depression:



Solute is insoluble

in solid solvent:

Chemical potential



Boiling point elevation:

$$\Delta T_B = K_B b_B$$
ebullioscopic constant

Solute is not

