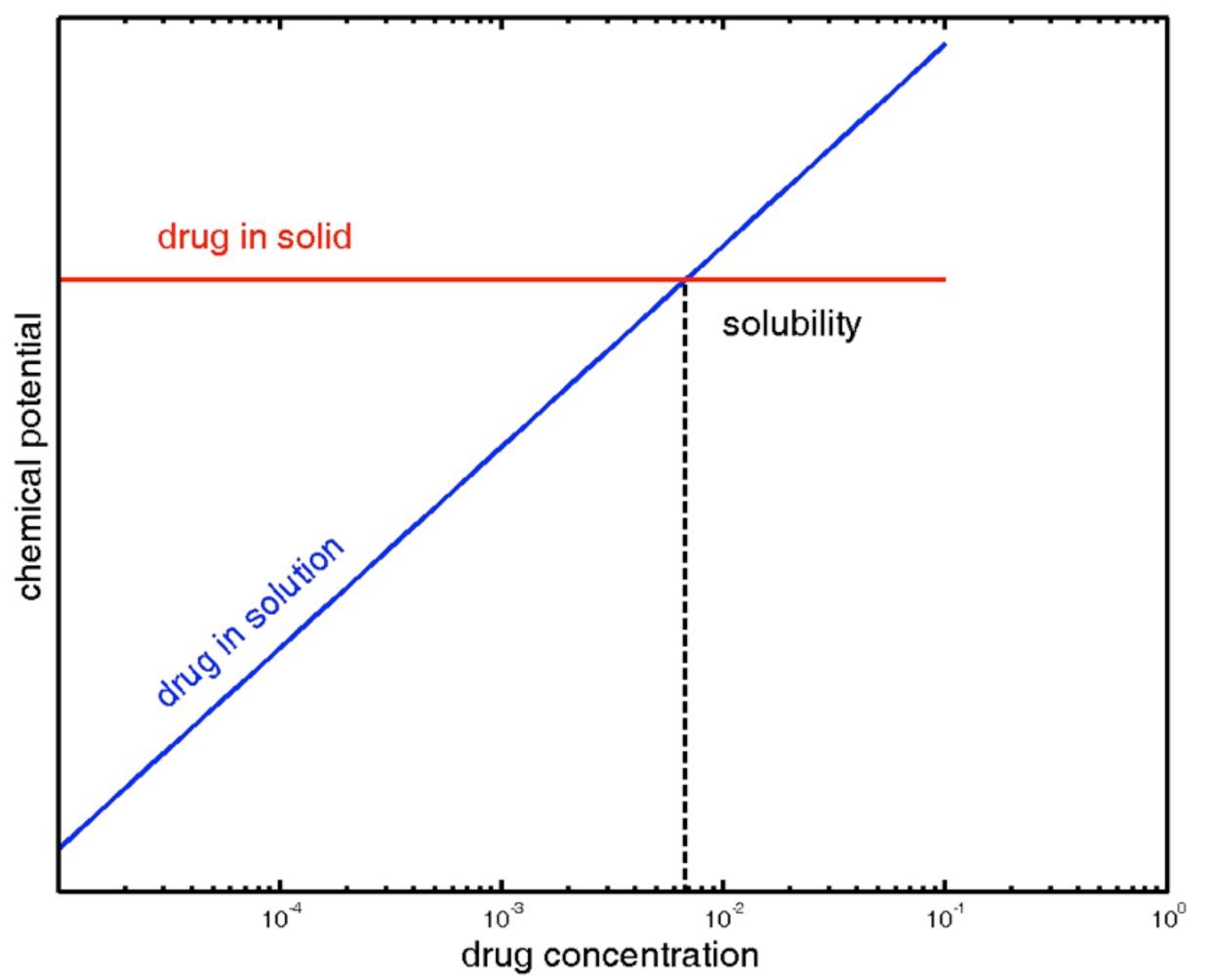
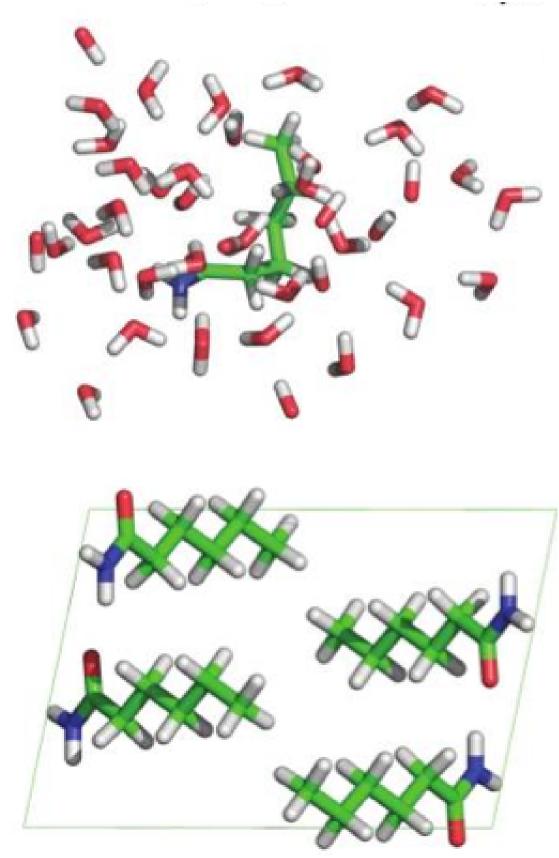
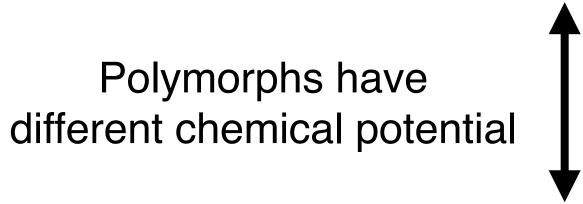
Chemical potential determines solubility



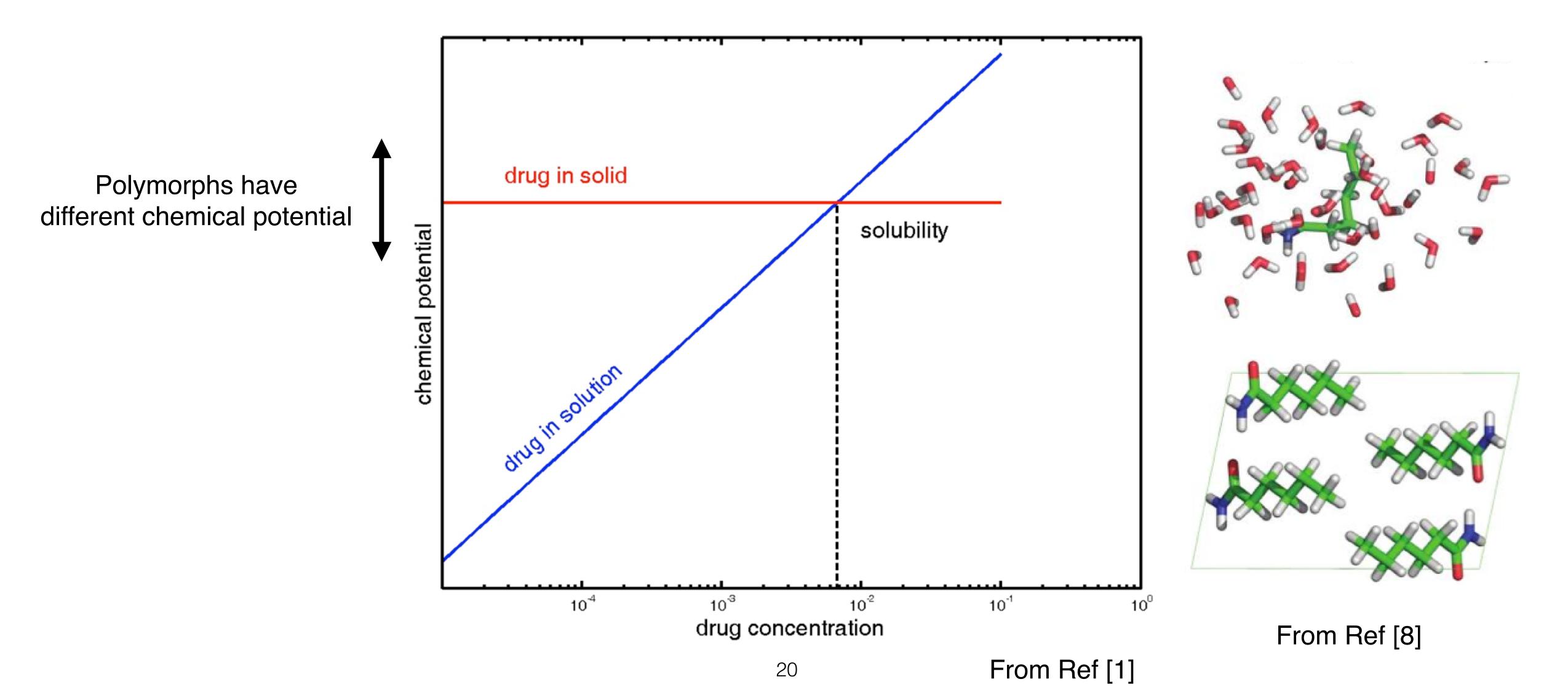




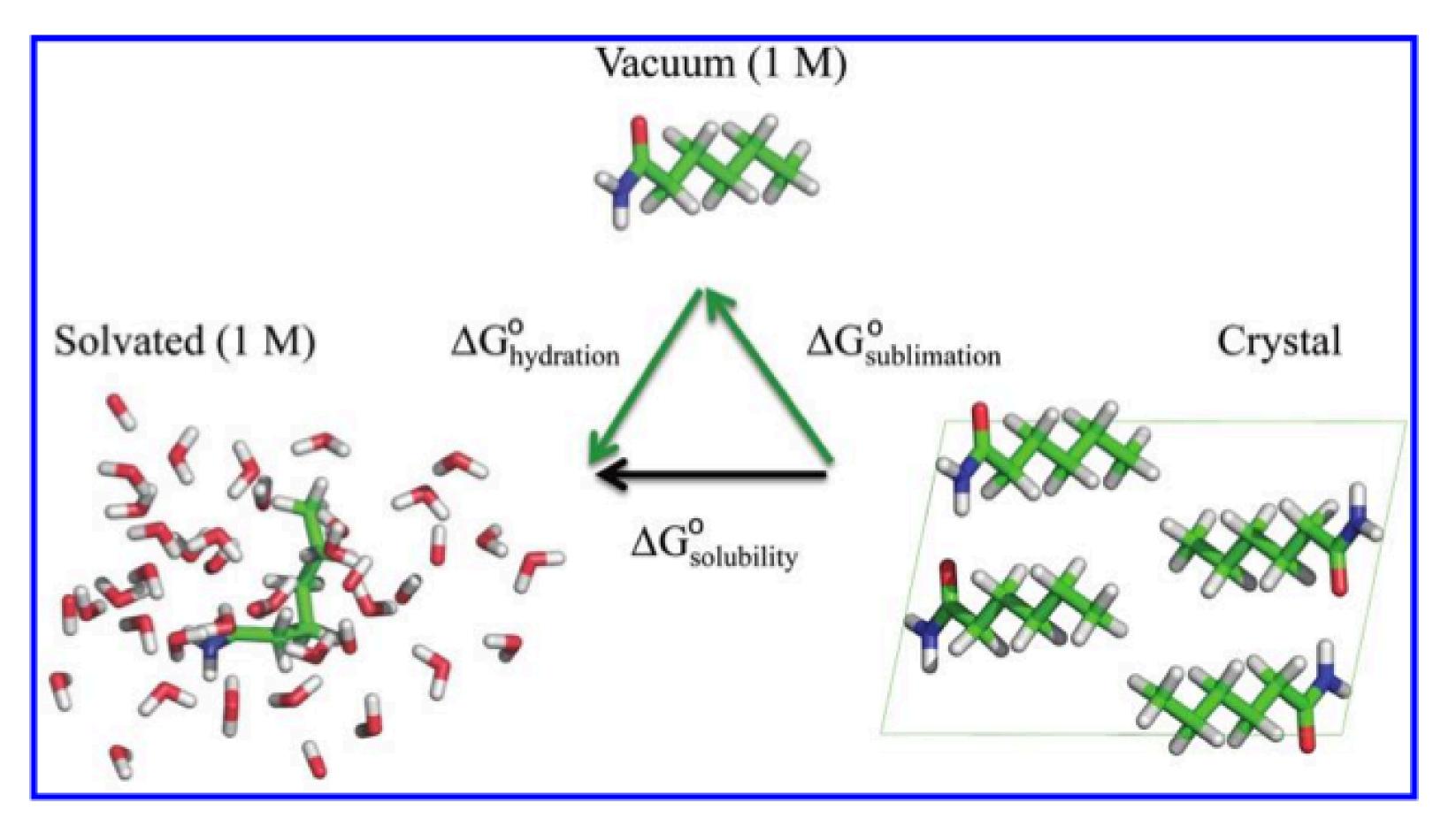
From Ref [8]

From Ref [1]

Chemical potential determines solubility



A thermodynamic cycle for solubility



From Ref [8]. Note that solubility ≠ solvation or hydration. Hydration + sublimation free energies calculated with alchemical free energy methods.