

Solution Molecular Weight of Small Molecules -Outline

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- I. Introduction
- II. What constitutes as a small molecule?
 - *Small Molecule is broad, possibly focus on small peptides, ligands?
 - A.) Molecular weight standards
 - B.) Types: In respect to chemical biology and biochemistry – focus on organic compounds in biological systems: ligands, small peptides
 - C.) Functions
 - D.) Examples
- III. Tools for Analysis for Solution Molecular Weight
 - *I am still in the decision-making process of which one to select or all?
 - A.) Dialysis Method
 - B.) Sedimentation Diffusion
 - C.) Affinity (Ion- Exchange Chromatography)

Depending on the tool selected:

 1. *Sample Preparation*
 2. *Column Selection or semi – permeable filter for diffusion*
 3. *Solvents, Buffers, etc..*
- IV. How to Analyze Data with an Example