

4/16/2020 Week 13 Module 2

Solubility

- This module is a lecture describing
 - the importance of solubility prediction
 - the application of QSPR to solubility prediction
 - based on the 2008 solubility challenge of J.M. Goodman [2, 3]
 - based on deep learning
 - free energy calculations of solubility
 - is based on a lecture by David Mobley [1]
- Even though it is a basic concept that you learned about in general chemistry, there are a lot of subtleties to solubility that
 - you probably never thought about!
 - I never thought about before preparing for this class
- Congratulations, this is the last lecture of Chem 456!

The importance of solubility prediction