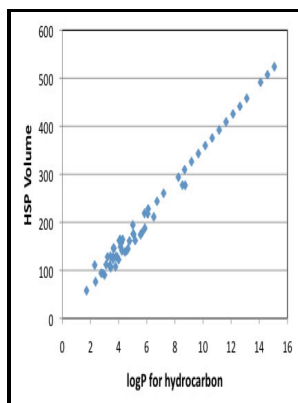


Water solubility and octanol/water partition coefficients of organics - limitations of the solubility-partition coefficient correlation

American Chemical Society - Theoretical and experimental relationships between soil adsorption, octanol



Description: -

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Notes: Photocopy of: Environmental Science and Technology, vol. 14, no. 10, (1980), pp.1227-1229.

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Tags: #logP, #logKow: #Octanol

Octanol

For cases where a drug reaches its target locations through passive mechanisms i. This method is usually very successful for calculating log P values when used with compounds that have similar chemical structures and known log P values. Journal of Electroanalytical Chemistry 372 1-2 : 125-135.

Relation between water solubility, octanol/water partition coefficients, and bioconcentration of organic chemicals in fish: A review

Relationship between dietary intake of organic chemicals and their concentrations in human adipose tissue and breast milk. The physical chemical equations relating solubility to octanol water partition coefficient are presented and used to develop a new correlation between these quantities which includes a melting point fugacity ratio correction.

Octanol

Pascoe, Keith Kroeger, Dwight Leisle, Robert J. The Comp B particles become conglomerations of RDX crystals held together by TNT below the surface. The solubility can be expressed in percent by weight at a specific temperature.

Partitioning Relationships for Chlorinated Organics Between Water and Particulates in the St. Clair, Detroit and Niagara Rivers

In addition, since log D is pH-dependent, the pH at which the log D was measured must be specified. The full version of this estimation routine is implemented into. The concept of partition coefficient is very useful in cosmetic formulations, since it is a measure of the ability of a material to penetrate the hair and skin; and consequently how useful it will be in formulations.

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