Hansch constant

A measure of the capability of a solute for *hydrophobic* (*lipophilic*) interaction based on the partition coefficient P for distribution of the solute between octan-1-ol and water. The most general way of applying P in *correlation analysis,* QSAR, etc. is as log P, but the behaviour of substituted benzene derivatives may be quantified by a substituent constant scale, π, which is defined in a way analogous to the Hammett σ scale. There are various π scales, depending on the substrate series used as reference.

1994, *66,* 1119