

comparative molecular field analysis (CoMFA)

Comparative Molecular Field Analysis (CoMFA) is a 3D-QSAR method that uses statistical correlation techniques for the analysis of the quantitative relationship between the biological activity of a set of compounds with a special alignment, and their three-dimensional electronic and steric properties. Other properties, such as hydrophobicity and H-bonding, can also be incorporated into the analysis.

Source:

PAC, 1997, 69, 1137 (*Glossary of terms used in computational drug design (IUPAC Recommendations 1997)*) on page 1140