Structural Complexity Estimation Keymodule Keymodule Ltd.

TopoPlex

Estimate structural complexity TopoPlex¹ is a software tool for estimating molecular structure complexity based on a user-provided starting material database. The structural complexity analysis performed by TopoPlex provides a rapid and effective ranking technique which can be used for estimating synthetic accessibility, or for the elimination of structures with unfeasible molecular motifs.

The method is based upon the common assumption that a structure has low structural complexity [drug-like properties] if it contains chain and ring structural motifs (patterns) which frequently occur in commercially available starting materials [existing drugs].



1. K. Boda and A. P. Johnson: Molecular Complexity Analysis of de Novo Designed Ligands. *J. Med. Chem.* **2006**, 49, 5869 – 5879

About Keymodule Keymodule Ltd. is a chemoinformatics software company which specializes in the development of toolkits and applications for chemical and pharmaceutical research.

Synthetic Feasibility Estimation



