

New trends and tactics in bioisosteric switch strategies

Thomas C. Fessard

SpiroChem AG, Rosental Area WRO-1047.3, Mattenstrasse 24, 4058 Basel, Switzerland
thomas.fessard@spirochem.com

In order to compete in a very crowded patent space, life science companies have to reinvent the way they 1) secure the chemical space around their inventions and 2) find new, IP-free chemical territories to explore and screen.

The design of novel building blocks with improved properties, as well as novel concepts to replace common motifs with efficient bio-isosteres are two tactics for researchers to stay ahead of competition, or sometimes jump-start projects.

SpiroChem has been active since inception in those two topics, and has made contributions to the field. Examples of strategies to quickly improve molecular properties/ADME, as well as to generate proprietary chemical space will be discussed.