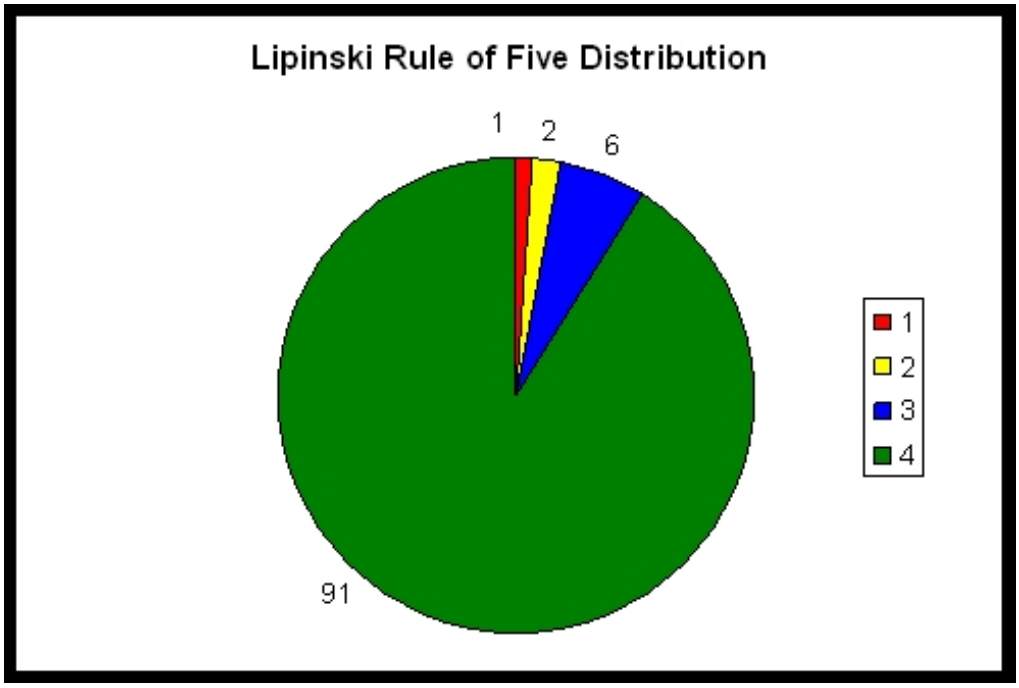
Individual Compounds and Custom Compound Collections

In addition to pre-designed screening collections, you are welcome to choose any number of samples from TimTec database of screening compounds based on your own criteria. Compounds from TimTec pre-designed libraries are also available for cherry-picking. ActiMol Stock library contains >180,000 compounds (1-3 days delivery time). Overseas stock inventory is over 1,500,000 compounds (1-2 months delivery).

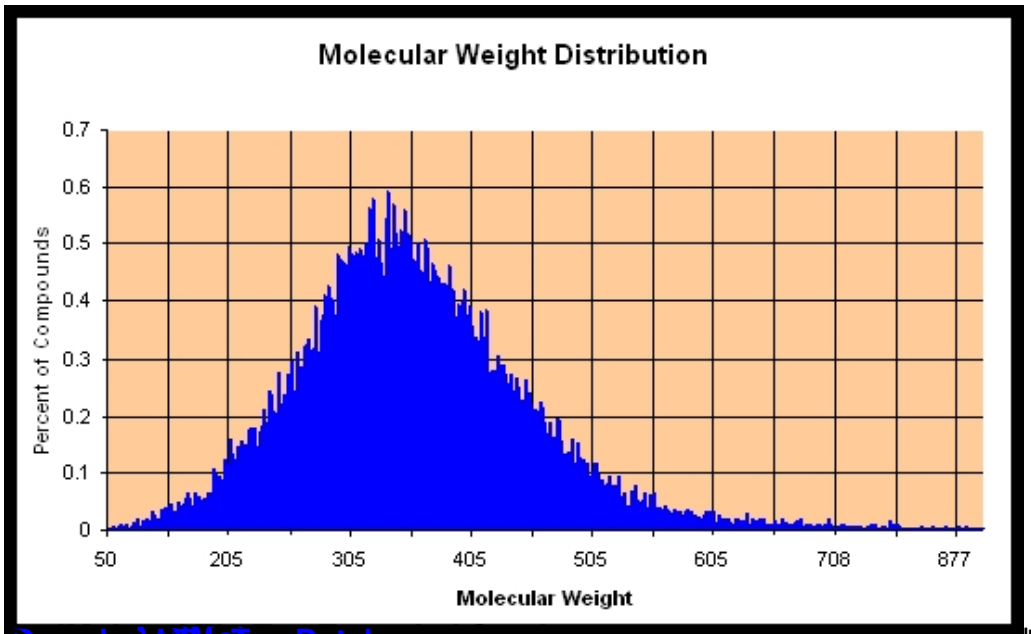
Drug-like Characteristics of TimTec Stock Compounds

TimTec stock compounds possess drug-like characteristics and undergo multistep filtration to be included in pre-designed libraries. LogP, Molecular weight, number of H-bond donors and acceptors as set forth in the Lipinski "Rule of Five" guide in determining strong hit and lead development characteristics.

Lipinski rule of five requirements
H-bond donors < 5
H-bond acceptors < 10
Log P < 5
Mol. Weight < 500



1 - compounds which satisfy 1 requirement - 1% of all compounds
2 - compounds which satisfy 2 requirements 2% of all compounds
3 - compounds which satisfy 3 requirements 6% of all compounds
4 - compounds which satisfy all 4 requirements 91% of all compounds


Molecular Weight Distribution
Percent of Compounds
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
50
205
305
405
505
605
708
877
Molecular Weight