**General Fragments PBMR**

The last 20 years have proved fragment-based approach as an essential part of modern drug discovery. Princeton Biomolecular carefully designed set of ready-available Fragments basing on the latest trends and knowledge in the field of Fragment Based Drug Discovery. We offer over **30,000 high quality fragments** corresponding to the following strict criteria:

1. 150 ≤ MW < 300
2. 5 ≤ Hev atom count ≤ 19
3. -2 ≤ ClogP < 3
4. Carbocyclic aromatic rings count ≤ 1
5. At least one ring, which may be a part of multi-cyclic system, maximum 4 rings including fused with rigid structures.
6. HbD ≤ 3
7. HbAcc ≤ 3
8. RotBonds ≤ 3
9. 15 Å2 < TPSA < 100 Å2
10. S, Cl atom count (overall amount) ≤ 2
11. Sulfone, Cyano and Nitro groups count (the total number) ≤ 1; Br count ≤ 1
12. MedChem filters applied: reactive groups and unwanted fragments, PAINS (families A, B, C), REOS
13. Compounds with more than 2 fused aromatic rings were eliminated
14. Compounds with more than any 3 fused rinds were also removed.

Selection of the diversity subsets or cherry picking are available upon request.