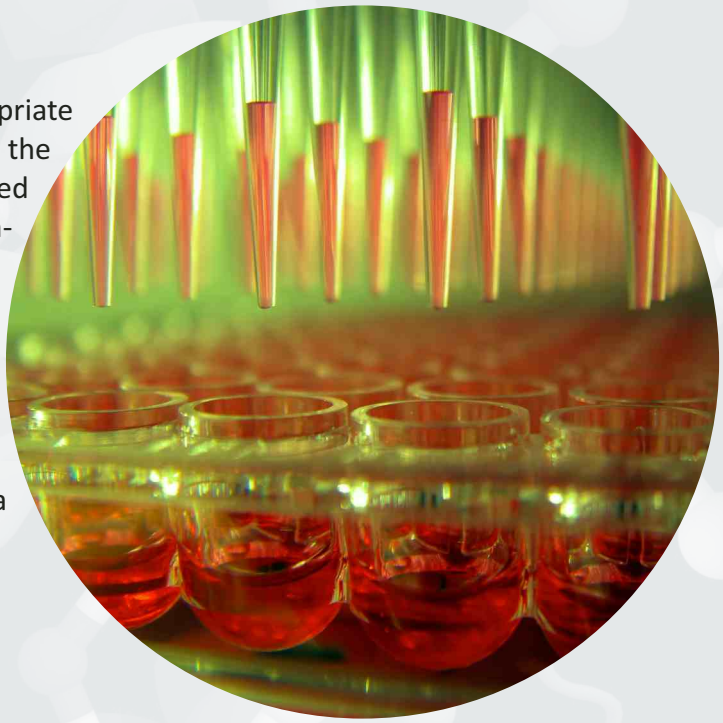
Reaxense

Lead-Like Compound Library



The cheminformatics-driven process of choosing the appropriate leads and chemical probes is becoming important in both the industrial and academic research that continues to be focused on discovering new classes of compounds based on high-throughput screening (HTS).

Reaxense's Lead-Like Compound Library comprises **7,401 small lead-like molecules** intended for HTS. The concept of leadlikeness implies cut-off values in the physico-chemical profile of chemical libraries such that they have reduced complexity and other more restricted properties defining a compound as potential good lead.

Features:

- **7,401 lead-like compounds for high-throughput screening**
- **Full lead-likeness criteria compliance**
- **No pan-assay interference (PAINS) compounds**
- **Compounds with reactive and toxic groups filtered out**
- **High diversity over the library**
- **Purity >90%; spectral data available**

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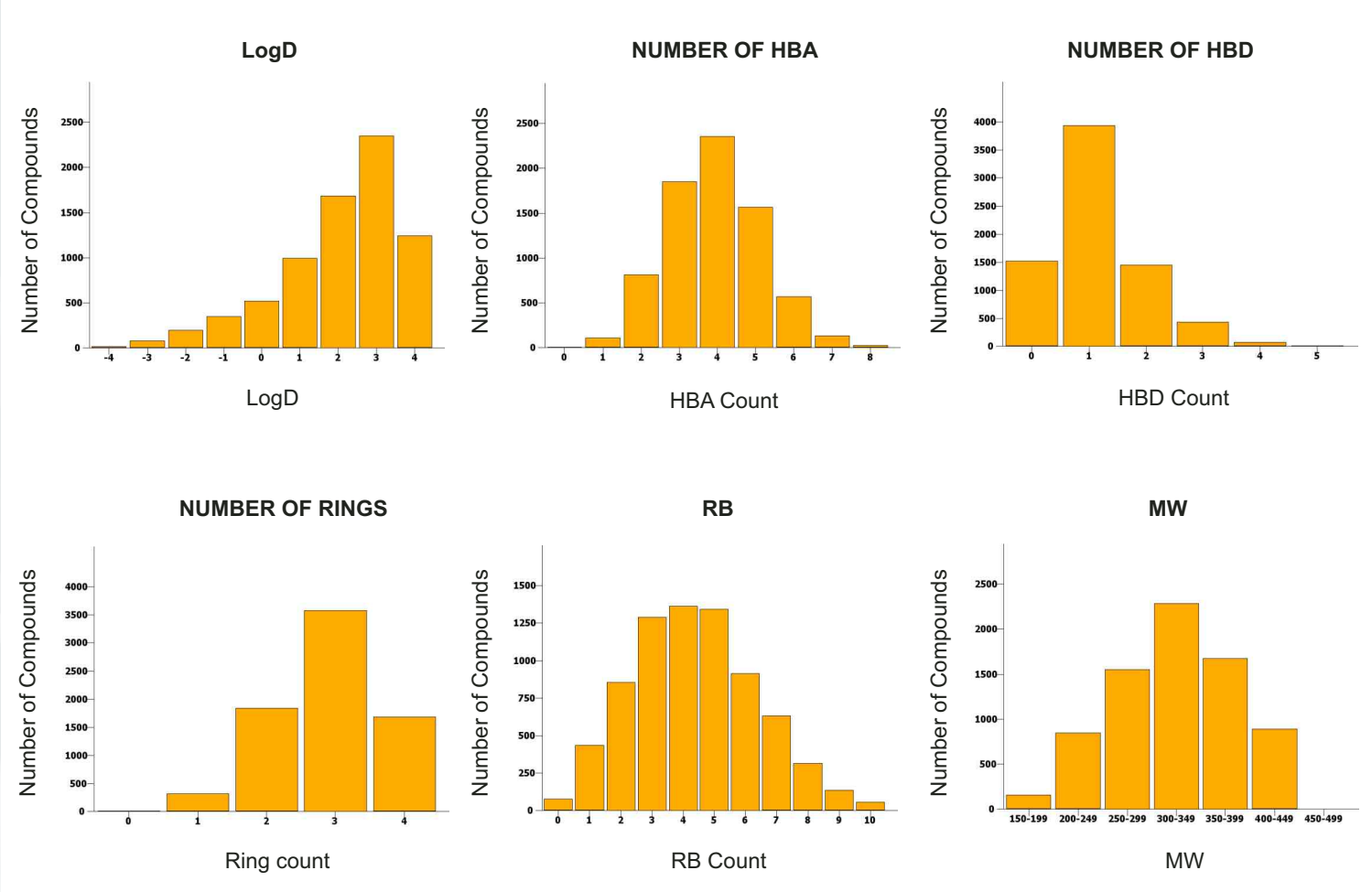
Selection Criteria:

Parameter	Value
Molecular Weight (MW)	from 180 to 450
Number of Hydrogen Bond Donors (HBD)	≤ 5
Number of Hydrogen Bond Acceptors (HBA)	≤ 8
LogD (pH=7.4)	from -4 to 4
Number of NO_2 groups	0
Number of Rotatable Bonds (RB)	≤ 10
Number of Rings	≤ 4

Properties Distribution:



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