



Freedom Space 5.0

Drug discovery beyond limits

Freedom Space 5.0 is an ultra-large, ML-curated chemical space containing over **296 billion molecules** designed specifically for modern drug discovery workflows. Unlike theoretical libraries, every compound in Freedom Space has been validated for synthetic feasibility using machine learning models trained on real chemistry data.

Freedom Space 5.0 by the numbers:

- ✓ Over 80% synthesis success rate
- ✓ 5-6 weeks lead time, including synthesis process
- ✓ Close to 0% overlap with Enamine REAL Space
- ✓ 39 synthetic protocols
- ✓ Over 215K building blocks from 15 reliable suppliers



chem-space.com



sales@chem-space.com



Access Options

Synthon and reaction data

Contact us at sales@chem-space.com to download the file and explore the full synthetic potential of our collection.

5B Enumerated Subsets

Freedom Space 5.0 is available as ready-to-download enumerated subsets, each containing 5 billion fully expanded compounds. We offer three collections: a **Lipinski Rule of Five (Ro5)**-compliant subset for drug-like molecules, a **Beyond Rule of Five (bRo5)** subset, and a randomly selected subset representing the **full diversity** of Freedom Space. All subsets are **accessible via our S3 bucket** and compatible with standard cheminformatics tools. To obtain download credentials and instructions, please contact sales@chem-space.com.

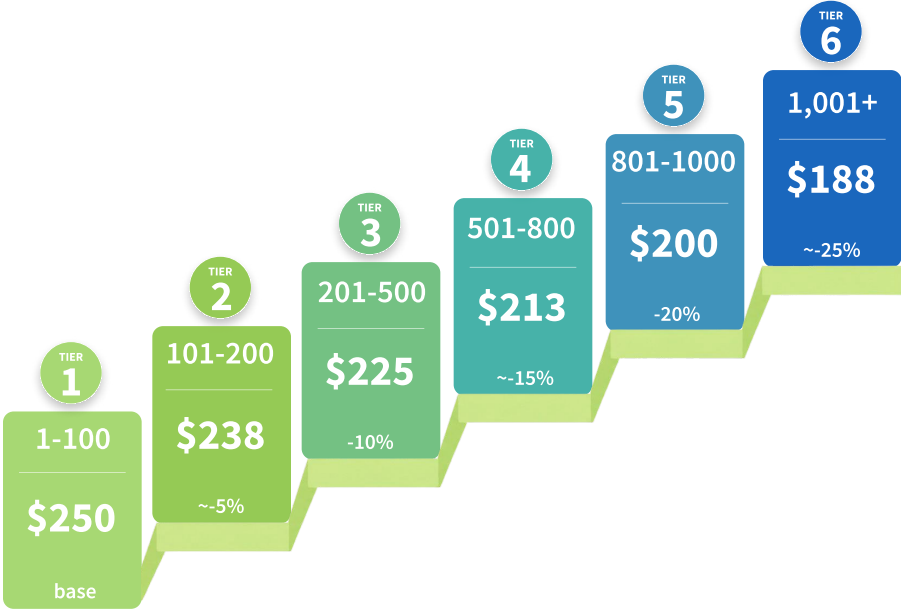
Synthon-based Space

Explore Freedom Space 5.0 via our partner platforms:

- ✓ [infiniSee](#) by BioSolveIT
- ✓ [Hyperspace](#) or [Pharos-3D](#) developed by Alipheron
- ✓ Synthon-based search via [RDKit library](#)
- ✓ [ExaScreen](#) platform developed by Pharmacelera
- ✓ [SynthonGPT](#) and [CHEESE](#) search by DeepMedChem

Price Grid

Step model • 1mg • Price shown per compound within each tier



Each discount applies only to compounds in that tier



Up to **25%** savings vs base price for orders of 1,000+ compounds



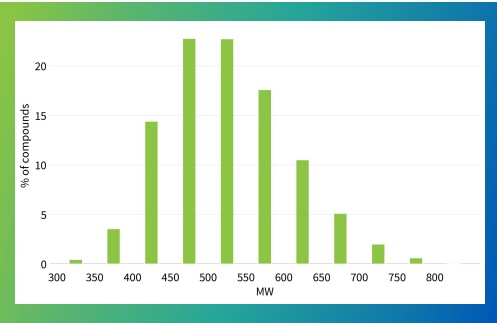
The effective average price decreases as order size grows



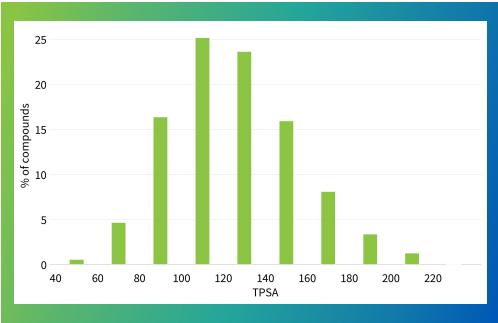
Total order cost = sum of compounds within each tier × tier price

Physicochemical profile of Freedom Space 5.0

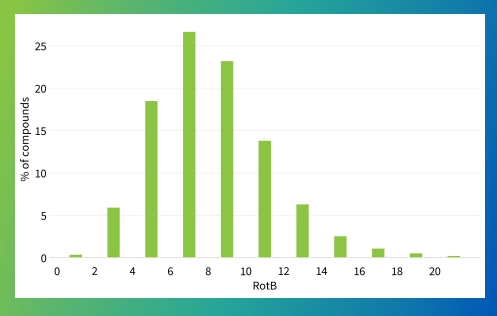
Molecular Weight



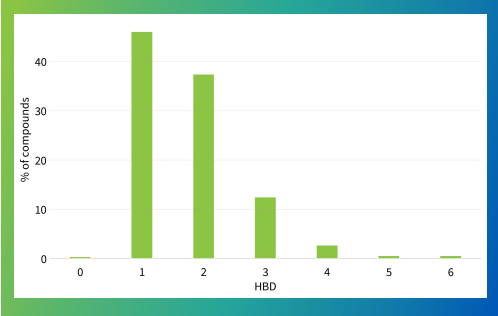
TPSA



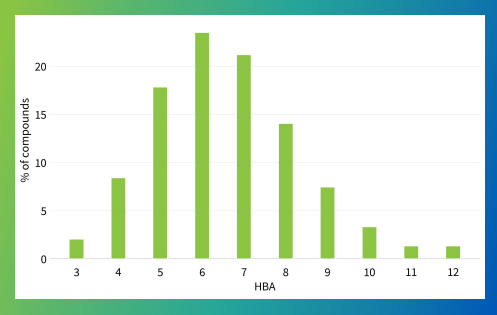
Rotatable Bonds



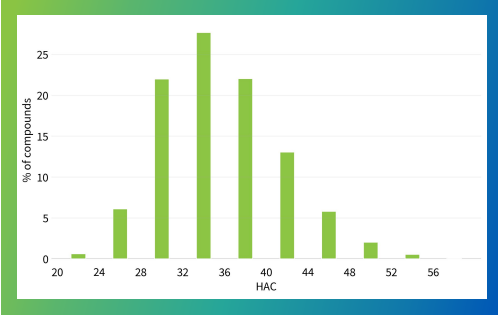
Hydrogen Bond Donors



Hydrogen Bond Acceptors

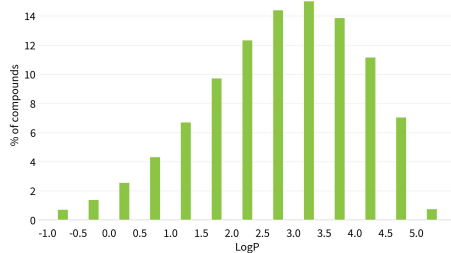
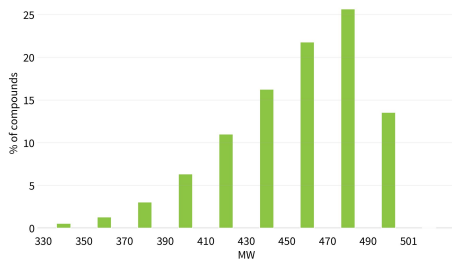


Heavy Atom Count

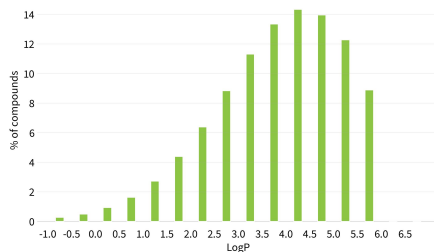
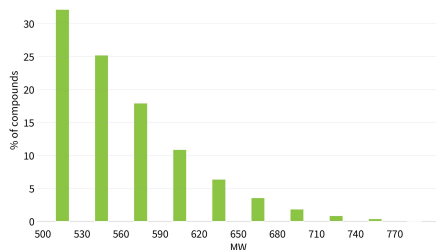


5B Enumerated Subsets

Ro5 Subset



Beyond Ro5 Subset



Diverse Subset

