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 supliers

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
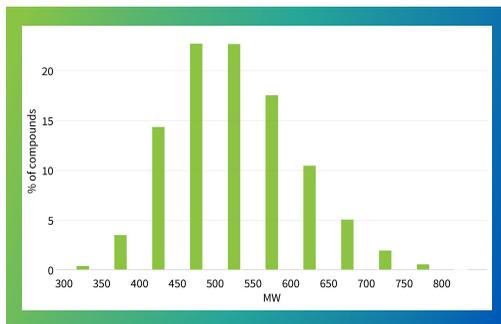- ✓ [SynthonGPT](#) and [CHEESE](#) search by DeepMedChem

Price Grid

Amount, mg	Price, USD
1	250
2	260
5	300
10	350
20	450

Price starts at **250 USD**

Up to 200 compounds

11% off

201-500 compounds

17% off
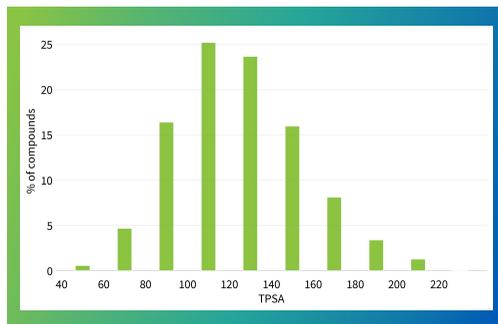
501-800 compounds

32% off

Over 1000 compounds

Physicochemical profile of Freedom Space 5.0
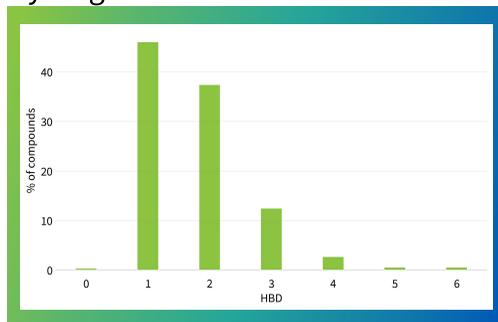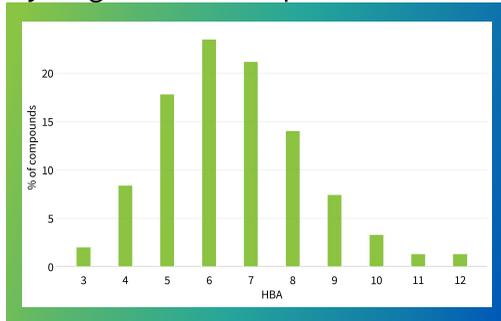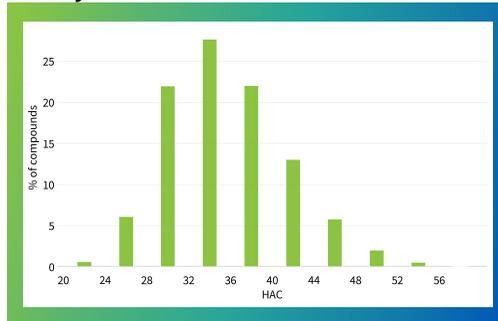
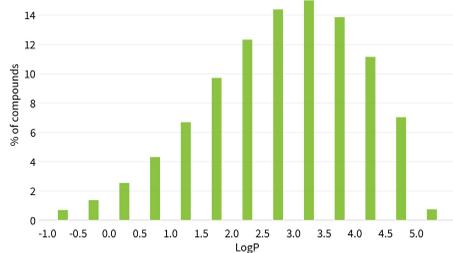## Molecular Weight

TPSA

Rotatable Bonds
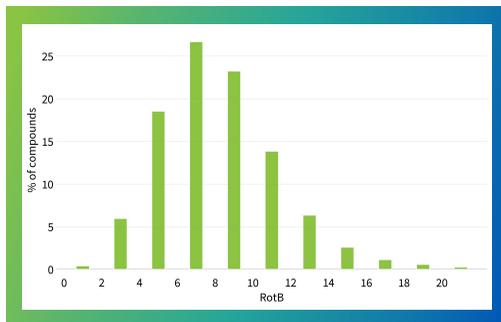
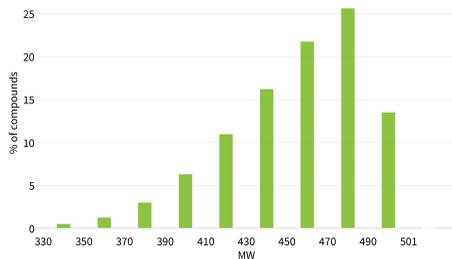## Hydrogen Bond Donors

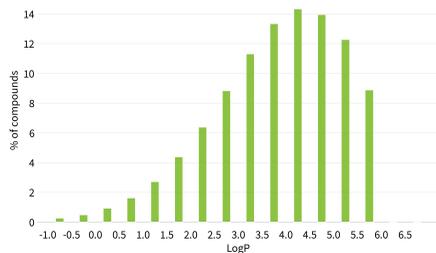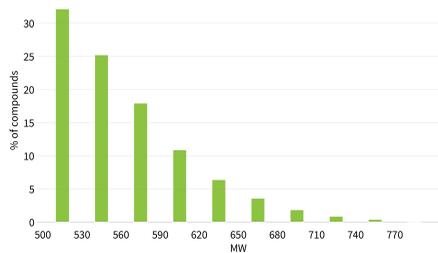## Hydrogen Bond Acceptors

Heavy Atom Count

5B Enumerated Subsets

Ro5 Subset

Beyond Ro5 Subset

Diverse Subset