

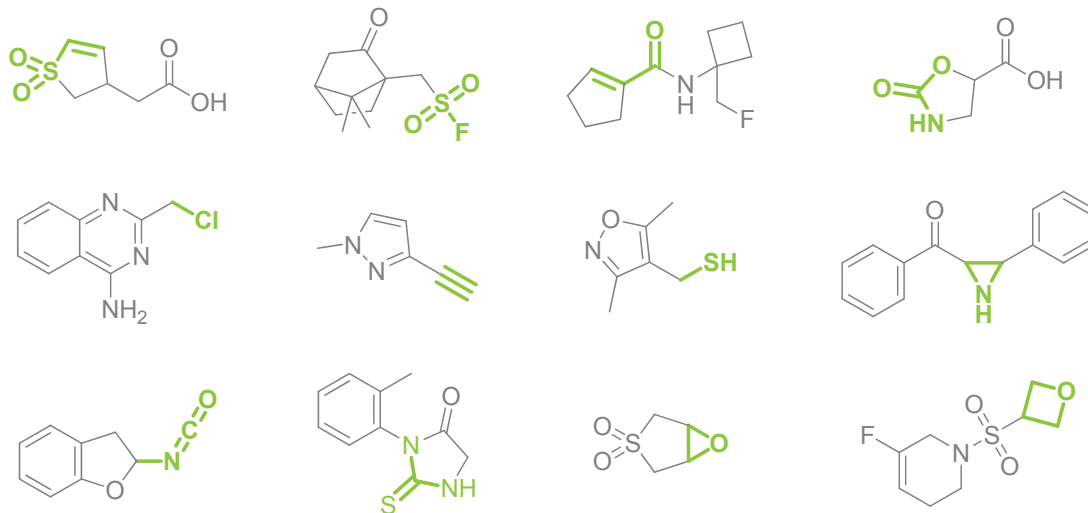
Chemspace Covalent Fragments

Many drugs people have been using for a really long time are actually covalent binders. Examples of covalent modifiers include cancer and arthritis treatments and as antibacterial and antiviral agents.

In the early years of drug discovery, compounds able to form covalent bonds with target protein were filtered out by substructure or consciously omitted as too reactive, promiscuous or toxic.

Although reversibly binding ligands are commonly pursued, covalent fragments provide an alternative route to small-molecule probes. Compounds with covalent warhead that comply with Rule of 3 enable the access of protein regions that are difficult to target with “classical” ligands.

Compounds for our **Covalent Fragments** library were picked from Chemspace Selected Screening set. All compounds comply with Ro3 and contain possible covalent binder.



Library size:

11 038 in-stock compounds

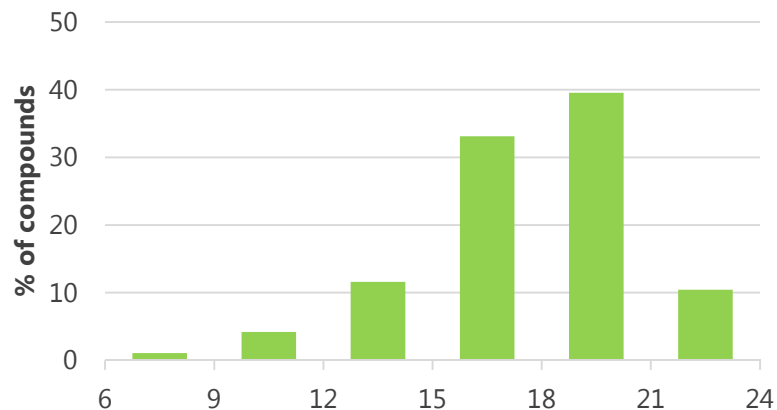
25 665 make-on-demand compounds

Covalent warheads include:

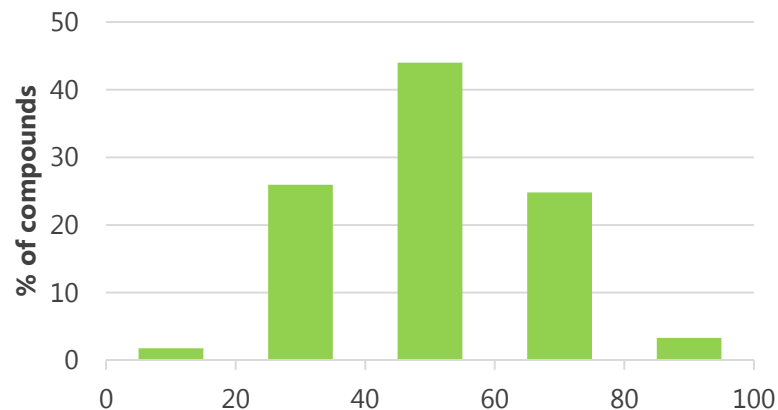
alkyl thiols and halides, oxirane and oxetane rings, sulfonyl halides, Michael acceptors, carbamates, terminal alkynes and methylene-active compounds.

You can order full set or selected subset based on your criteria; all compounds are supplied as powders, solutions, or dry films. Please contact us at sales@chem-space.com for more information.

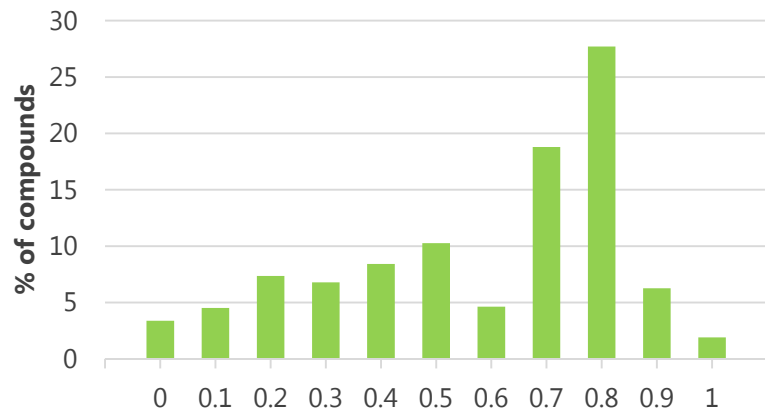
Heavy Atoms



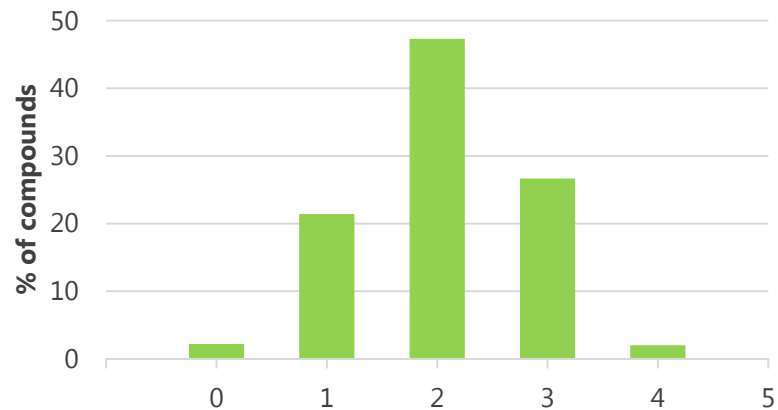
TPSA



Fsp³



Rings



Discover our **Fragment Libraries**:

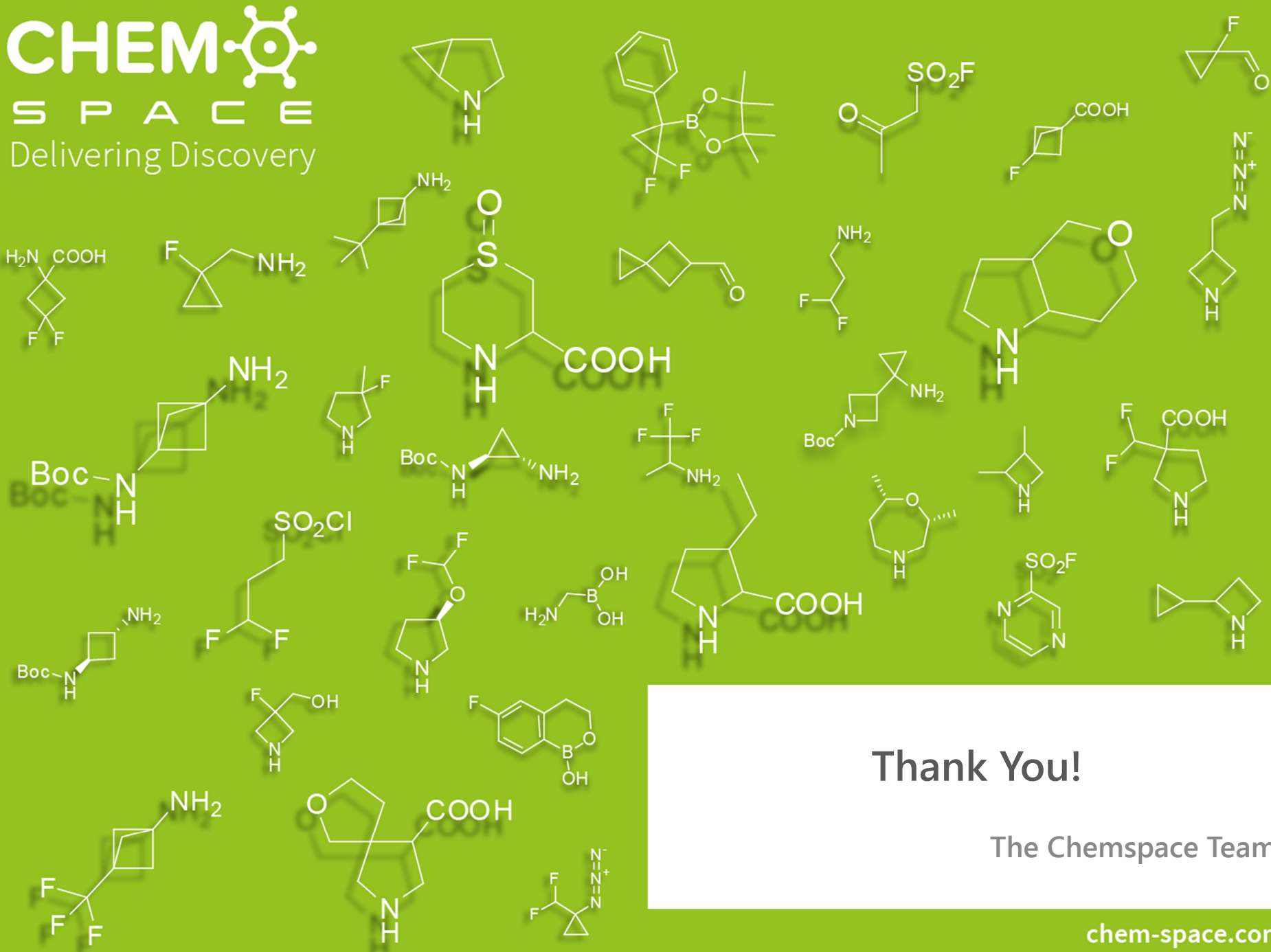
- **General** Fragments
- **3D-Shaped** Fragments
- **Acid** and **Amine** Fragments
- **Covalent** Fragments
- **Fluorine** and **Heavy** Fragments
- **Selected** Fragments
- **Singleton** Fragments
- **Saturated** and **Spiro** Fragments

All libraries' names are clickable links. Visit www.chem-space.com/flyers to find more Chemspace presentations!

Discover our **Screening compounds**:

- [ChEMBL analogs](#)
- [CNS-Focused](#) library
- [Covalent Modifiers](#)
- [Drug Impurities](#)
- [Drug Repurposing](#)
- [Framework-Derived](#) set
- [High QED](#) compounds
- [Phenotypic Screening](#) set
- [PPI Modulators](#)
- [Pre-Plated](#) compounds
- [RNA-Targeted](#) library
- [Virtual Screening](#) set

All libraries' names are clickable links. Visit www.chem-space.com/flyers to find more Chemspace presentations!



Thank You!

The Chemspace Team