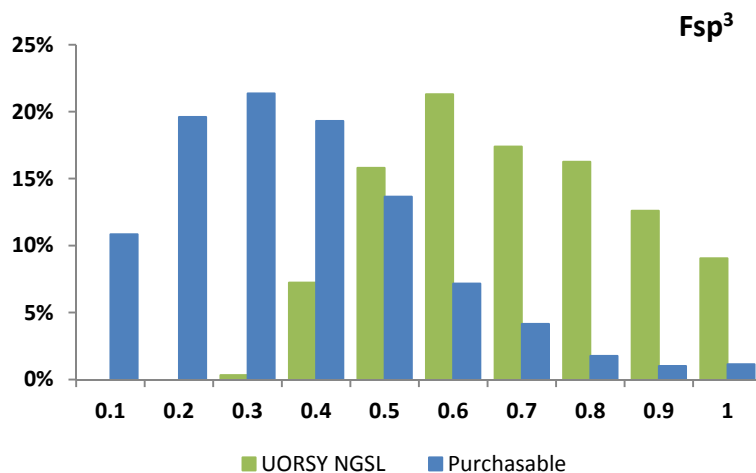


UORSY New Generation Screening Library

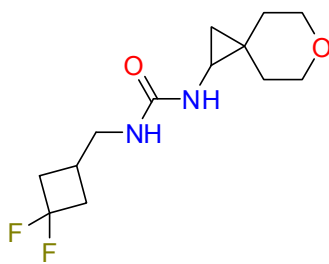
The Escape from Flatland is a determining concept in modern drug discovery. It provides an efficient approach to increase drug permeability, recognition and to decrease toxicity through sp^3 -enrichment. Despite importance of the notion, most collections of screening compounds are overrepresented with the “flat” molecules (average Fsp^3 is 0.32):



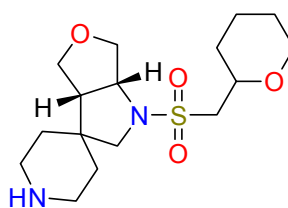
The Escape from Flatland concept has significantly shaped our library synthesis plans inspiring synthesis of new building blocks and scaffolds. We have designed a revolutionary collection of lead-like molecules of exceptional structural quality and diversity – **New Generation Screening Library (NGSL)**. The novel cores have been decorated with interesting building blocks, incorporating important pharmacophore fragments, *e.g.* peptide bond, amino and hydroxyl groups.

UORSY New Generation Screening Library:

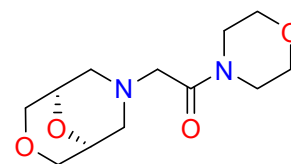
- Unique, diverse, lead-like molecules
- Rigid, sp^3 -enriched motives
- Valuable pharmacophores



PB2292815091



PB2370067451



PB2016097164

Physicochemical profiles of New Generation Screening Library:

200<MW<400, -1<cLogP<4, 50<TPSA<120, HbA≤6, HbD≤3, RotB≤6, 0.3<Fsp³.

Small selections from **NGSL** (up to 250 compounds) can be delivered within only 2-3 weeks. Larger selections will require 4-6 weeks for synthesis. The library is also available in 3D and is suitable for vHTS.

For more information, please contact us at screenlibs@uorsy.com