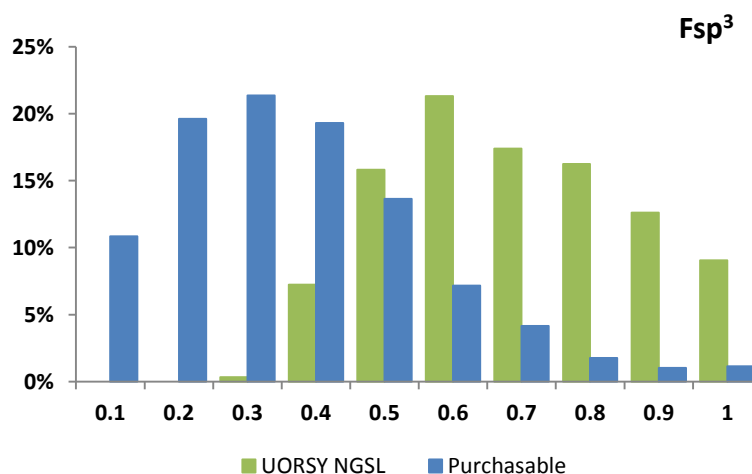


UORSY New Generation Screening Library

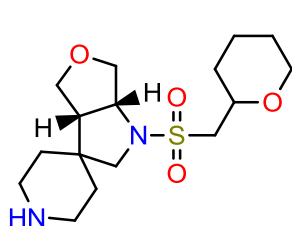
The Escape from Flatland is a determining concept in modern drug discovery. It provides an efficient approach to increase drug permeability, recognition and to decrease toxicity through sp^3 -enrichment. Despite importance of the notion, most collections of screening compounds are overrepresented with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



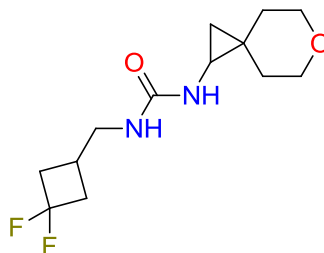
The Escape from Flatland concept has significantly shaped our library synthesis plans inspiring synthesis of new building blocks and scaffolds. We have designed a revolutionary collection of lead-like molecules of exceptional structural quality and diversity – **New Generation Screening Library (NGSL)**. 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:

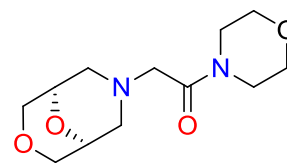
- Unique, diverse, lead-like molecules
- Rigid, sp^3 -enriched motives
- Valuable pharmacophores



PB2370067451



PB2292815091



PB2016097164

Physicochemical profiles of New Generation Screening Library:

$200 < MW < 400$, $-1 < cLogP < 4$, $50 < TPSA < 120$, $HbA \leq 6$, $HbD \leq 3$, $RotB \leq 6$, $0.3 < F_{sp^3}$.

The **NGSL** compounds can be cherry-picked and delivered within only 2-3 weeks. Larger selections (over 1,000 compounds) 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