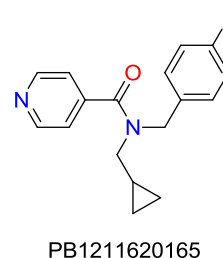
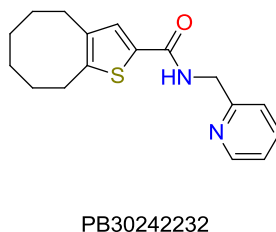
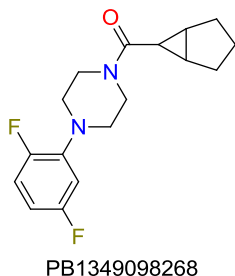


### UORSY CNS-permeable Compounds

CNS-targeted drugs differ from the non-CNS-targeted molecules in their physicochemical profiles and structural properties. The former compounds have to be more rigid and to have lower TPSA and logP for being able to cross Blood-brain barrier (BBB). Implementing the literature data,<sup>1</sup> Ro3, and our in-house parameters, we created a library of 2589 unique compounds that meet CNS-like criteria. The current set will be a good starting point for drug discovery projects related to CNS-active molecules.



Physicochemical profiles of **UORSY CNS-permeable compounds**:

$200 < MW < 350$ ;  $HbA \leq 3$ ;  $HbD \leq 2$ ;  $2 < \log P < 4$ ;  $0.25 < Fsp^3 < 1$ ;  $RotBonds \leq 6$ ;  $15 < TPSA < 60$ ;  $(N+O) \leq 3$ .

**UORSY CNS-permeable compounds** are available in stock and could be delivered within 2 weeks in any customer-preferred format: as powders, dry films or DMSO solutions formatted in vials, 96 or 384-well plates. All compounds have a minimum purity of 90% assessed by <sup>1</sup>H NMR; analytical data is provided.

For more information, please contact us at [screenlibs@uorsy.com](mailto:screenlibs@uorsy.com)

<sup>1</sup>Pajouhesh, H.; Lenz, G. R., *NeuroRx* **2005**, *2*, 541–553