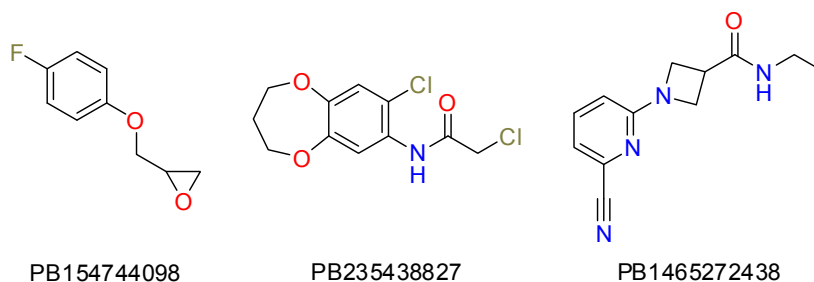


UORSY Covalent Fragments

Numerous approved drugs and drug candidates possess covalent mechanism of action and the interest for finding novel entities acted as covalent inhibitors has significantly increased.¹ As a result, the need for powerful tools for characterizing and optimizing covalent modifiers has aroused.

For creating our library of **covalent fragments**, we performed filtering based on fragment-like physicochemical profiles including molecules with certain functional groups or warheads.

Chemical classes included: acrylates and their active analogues; epoxides, lactones, lactams; sulfonyl fluorides; 2-chloropyridines; α,β -unsaturated sulfones and sulfonamides; activated cyano groups; aliphatic thiols; acetals and ketals.



Physicochemical profiles of **UORSY covalent fragments library**:

130<MW<320; 1<HbA<5; 0<HbD<3; -1.8<logP<4; 0<RotBonds<4; TPSA<95.

UORSY covalent fragments library is 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 ¹H NMR; analytical data is provided.

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

¹ Mah, R.; Thomas, J. R.; Shafer, C. M. *Bioorg. Med. Chem. Lett.* **2014**, *24*, 33–39.