

UORSY F-fragments

Absence of fluorine in natural background has pushed exploration of F-containing fragments and enabled simple screening protocols: ^{19}F NMR-based fragment screening has been a useful tool for hit detection and further optimization.¹

At UORSY, we created a library of fluorine fragments that contains 604 compounds with favorable physicochemical profiles and unique motifs (Figure 1). The library complies with “Rule of 3” and recently introduced criteria.²

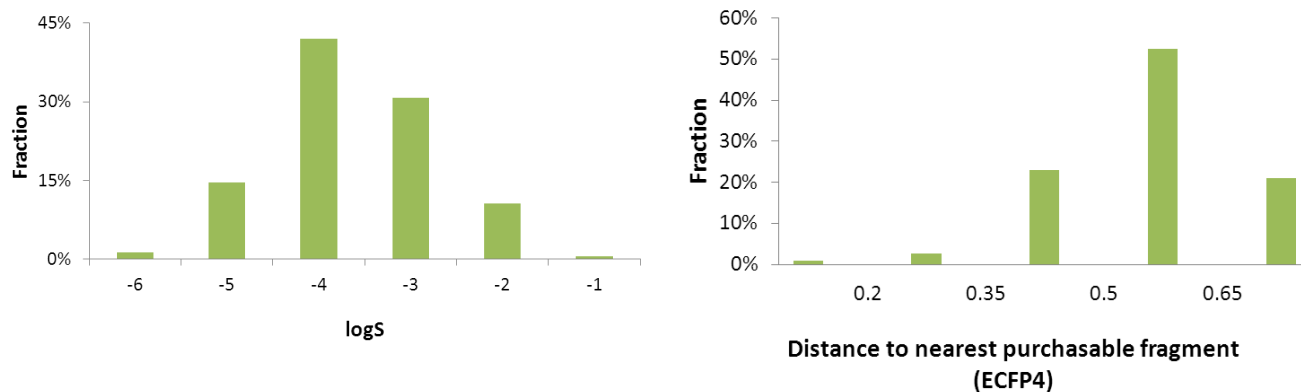
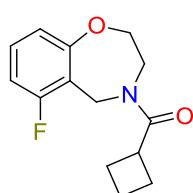
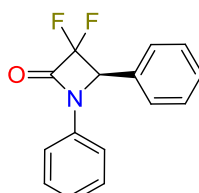


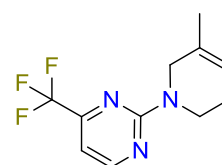
Figure 1. Solubility analysis (left) and similarity analysis (right) of UORSY F fragments.



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Physicochemical profiles of UORSY F-fragments:

122 < MW < 300; HbA ≤ 3; HbD ≤ 2; logP ≤ 4; RotBonds ≤ 3.

UORSY F-fragments 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 ^1H NMR; analytical data is provided.

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

¹Vulpetti, A.; Dalvit, C., *ChemMedChem* **2013**, *8*, 2057–2069.

²Jordan, J. et al, *J. Med. Chem.* **2012**, *55*, 678–687.