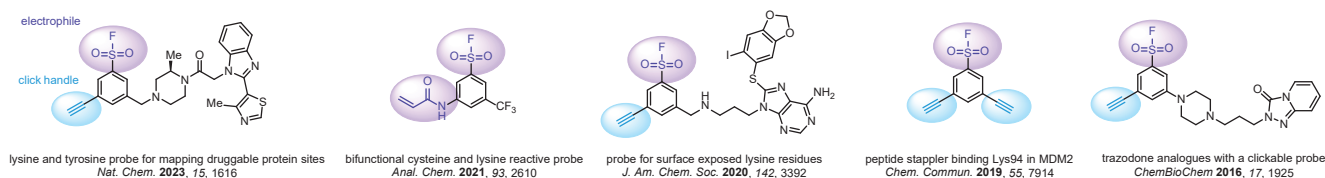


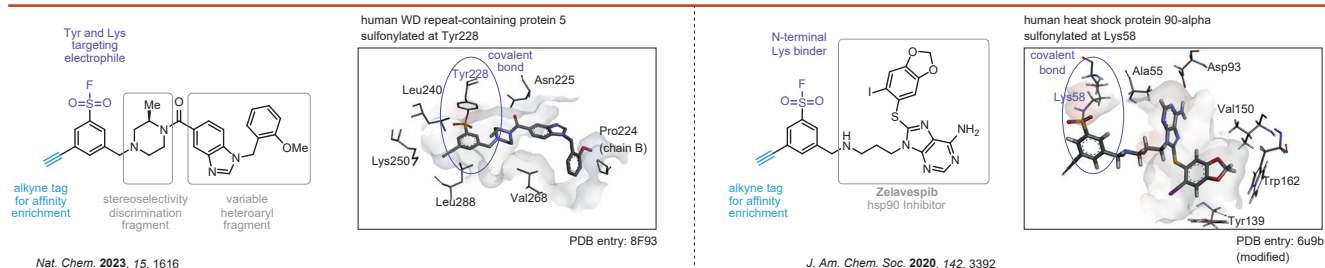
# Trivalent 1,3,5-Benzene Probe Platform

## Introduction

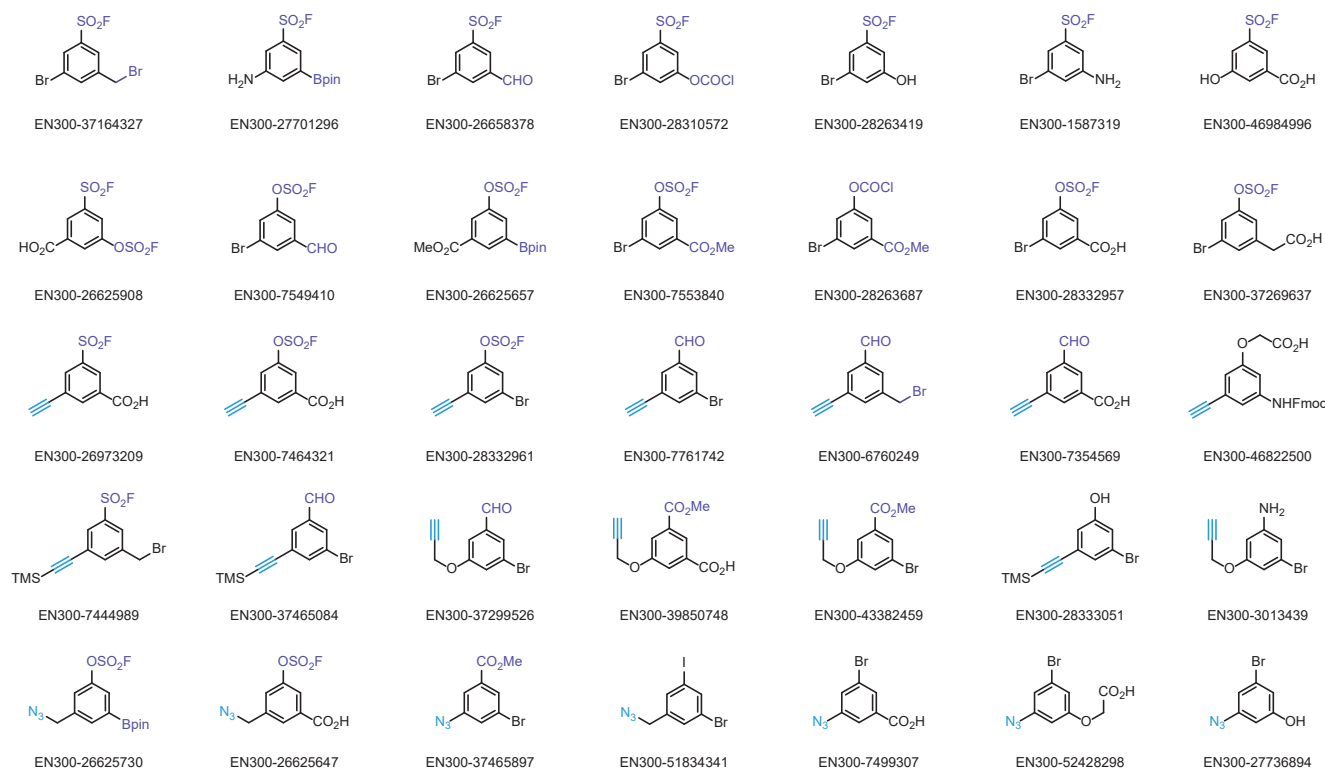
Creation of residue-selective biochemical probes and DNA-encoded chemical libraries often requires small and robust molecular platforms for attaching three functional groups with orthogonal reactivity. A trivalent sensor scaffold typically incorporates a selective electrophilic probe, such as sulfonyl fluoride (for Lys, Tyr), acrylamide (Cys), boronic acid (Ser, Thr), bromoacetamide (Cys), aldehyde (Cys, Ser), alongside a chemical handle for click chemistry: alkyne, azide, and/or sulfonyl fluoride/fluorosulfate moieties.<sup>1-4</sup> Discover Enamine's collection of about 200 benzene-1,3,5-triyl (phentriyl) molecules bearing three orthogonally reactive groups!



## Case studies



**We offer:** over 100 benzene-1,3,5-triyl derivatives from stock on 5-10 gram scale.



## References

- Y. Chen et al. *Nat. Chem.* **2023**, 15, 1616.
- P. Chheda et al. *Org. Lett.* **2022**, 24, 3401.
- J. Cao et al. *Anal. Chem.* **2021**, 93, 2610.
- O. Fadeyi et al. *ChemBioChem* **2016**, 17, 1925.



Search & Buy on-line at **EnamineStore.com**  
Look for more at Chem-Space.com

BB@enamine.net, www.enamine.net

