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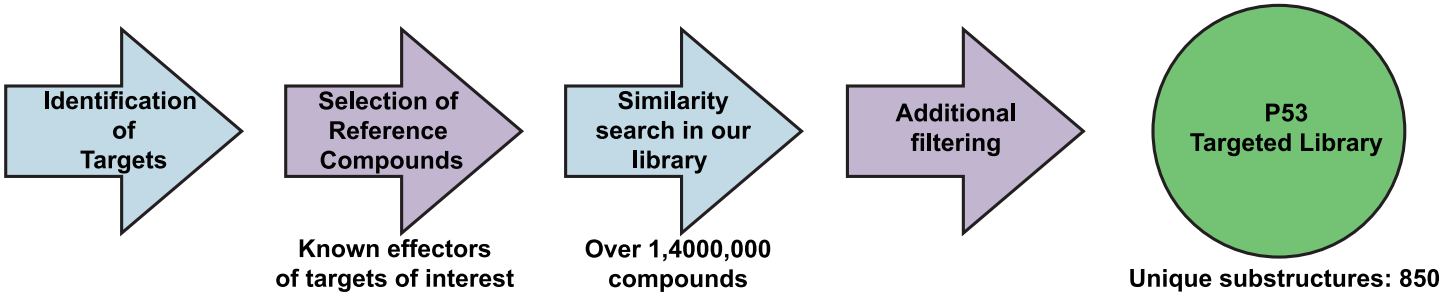
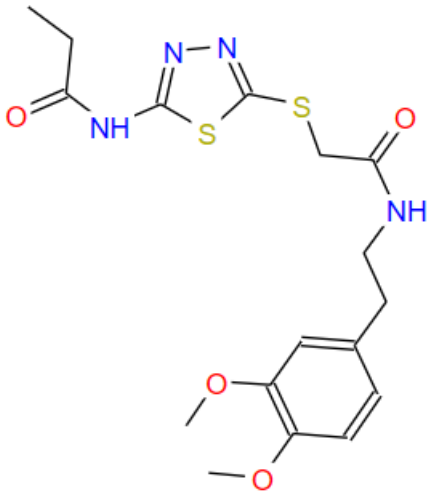
P53MARK

P53 Targeted Library

The p53 protein is a fundamental guardian of the genome, orchestrating cellular responses to stress by halting the cell cycle for DNA repair or initiating apoptosis to eliminate damaged cells. Its critical role in preventing tumorigenesis is underscored by its frequent inactivation in over half of all human cancers, often through mutations in the TP53 gene or dysregulation of its controlling pathways. While p53 itself is a challenging direct drug target, the pursuit of small molecules that can affect it and its tumor-suppressing function is a major frontier in oncology. Such therapeutics could offer a powerful, broad-spectrum approach to treating diverse cancers, potentially overcoming resistance to conventional therapies and providing new options for tumors currently lacking effective treatments.





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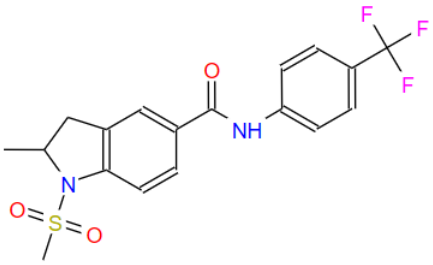

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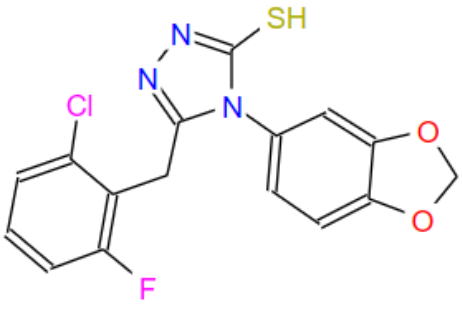
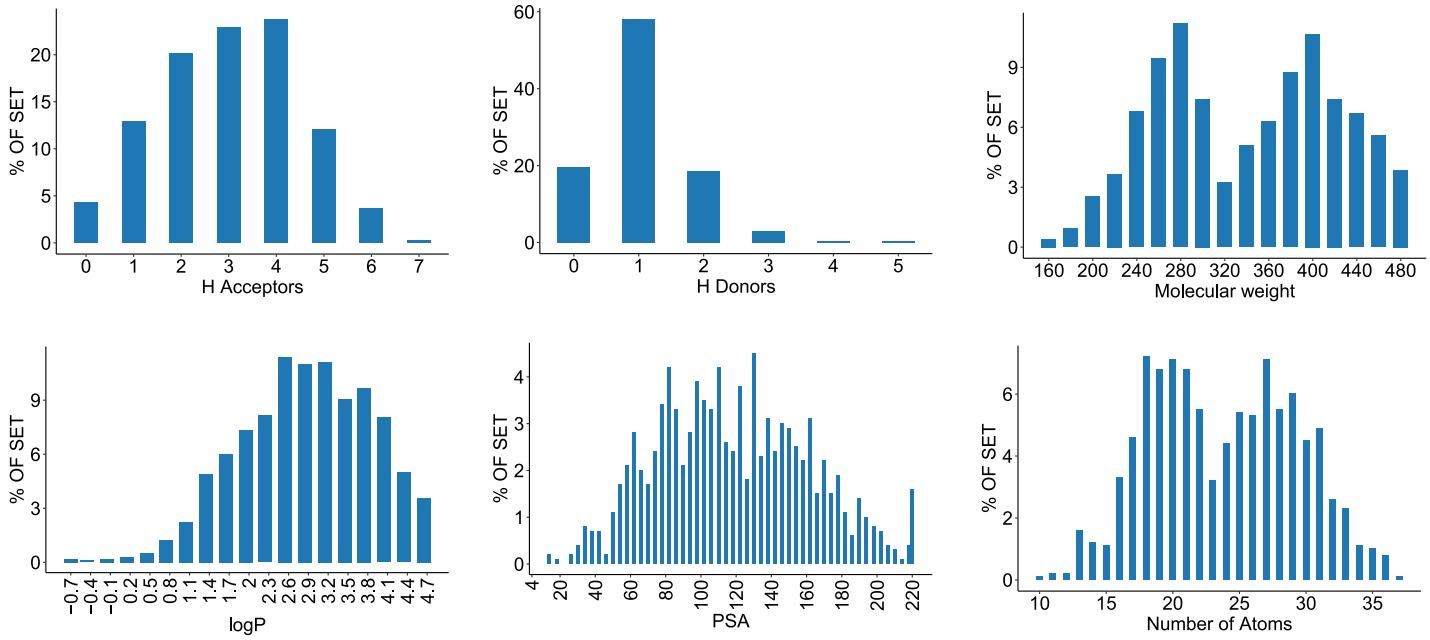


STK444062

P53 Targeted Library (P53MARK) consists of compounds with potential activity towards P53, which were selected based on similarity to known P53 effectors. This library was designed to provide a potential starting point or to expand ongoing drug discovery project. The library emphasizes broad structural diversity and favorable drug-like properties while excluding poten- tially problematic motifs. This library has 999 compounds. All compounds follow RO5.

Distribution of Parameters



If you have any specific needs for your project, we can provide specially tailored compound library based on your request.

Have questions or need a quote? Contact Irina Haywood (Ryabushenko) at

irina@vitasmlab.biz

Let's Connect on LinkedIn! Expand your professional network.

We look forward to collaborating with you!

Empowering Your Research, One Molecule at a Time.