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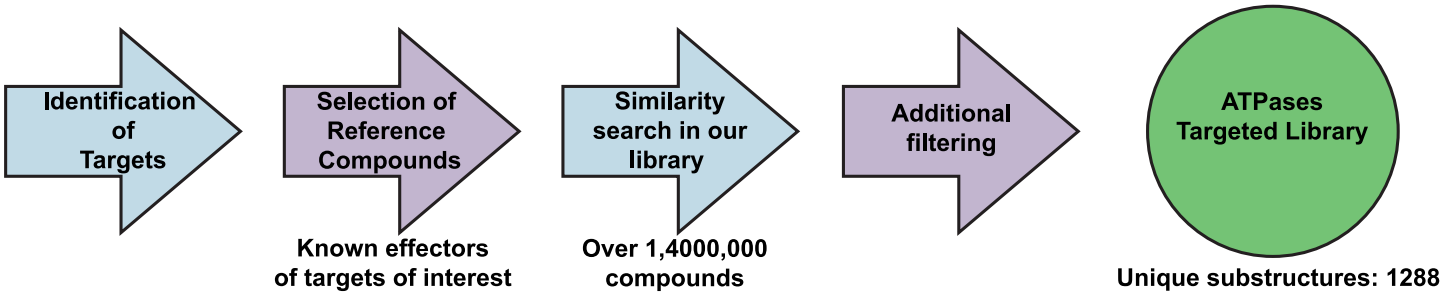
ATPMARK

ATPases Targeted Library

ATPases are a diverse class of enzymes that hydrolyze ATP to drive essential cellular processes, including ion transport, protein folding, and muscle contraction. Their dysfunction underlies severe diseases such as cystic fibrosis, neurodegenera- tive disorders, and cancer. Current therapies targeting ATPases remain limited, often suffering from poor specificity or off-tar- get effects. The structural complexity and dynamic nature of ATPases present challenges for drug development but also opportunities for innovative therapies. Novel modulators could address antibiotic resistance by targeting bacterial ATPases or improve cancer treatment by inhibiting tumor-promoting ATPases. With ATPases involved in nearly every aspect of cellular energy utilization, expanding the repertoire of drugs against these molecular machines could transform treatment for a wide range of diseases.

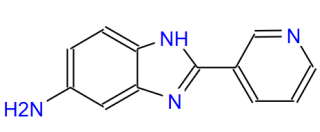


Example Targets:

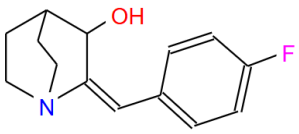
SERCA V-ATPase NS3 helicase

DNA gyrase

HSP90



STL253583



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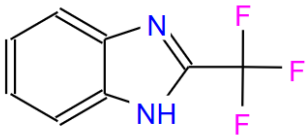
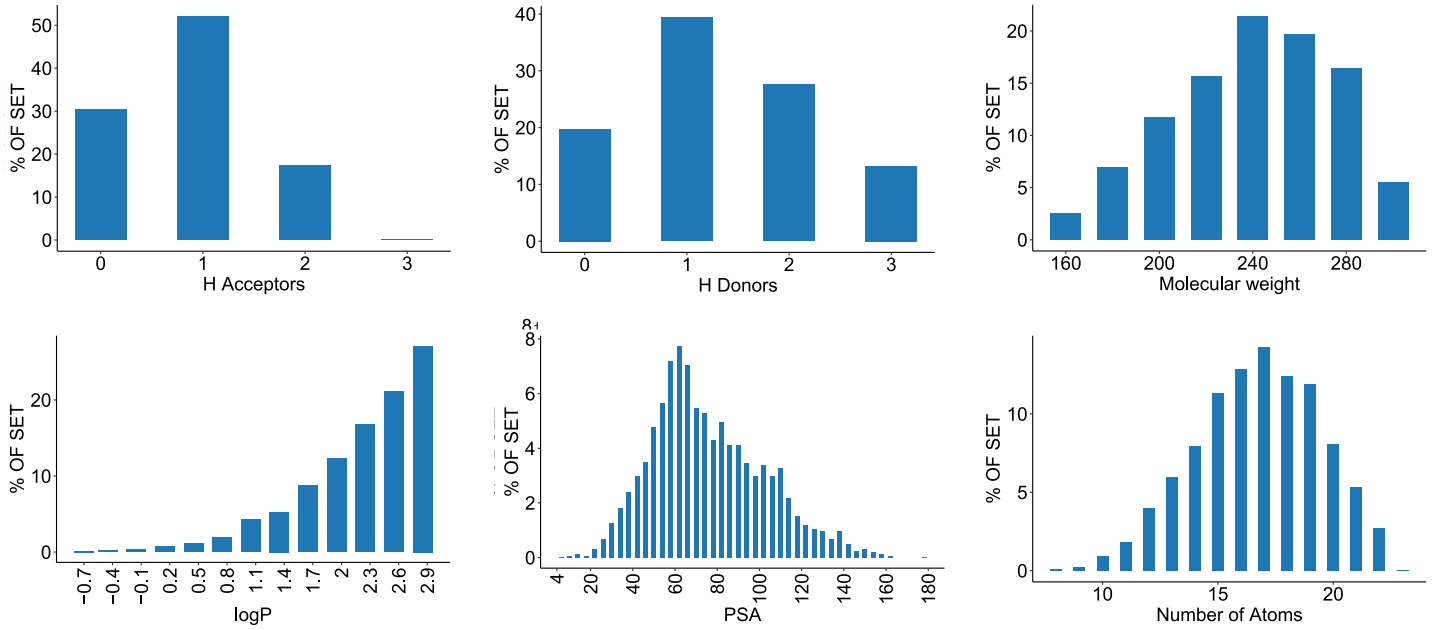


STK346628

ATPases Targeted Library (ATPMARK) consists of compounds with potential activity towards ATPases. Compounds were selected based on similarity to known effectors of variety of ATPases. This library was designed to provide a potential starting point or to expand ongoing drug discovery project. It is designed in a way that maximizes structural diversity and excludes problematic compounds. This library has 3662 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.