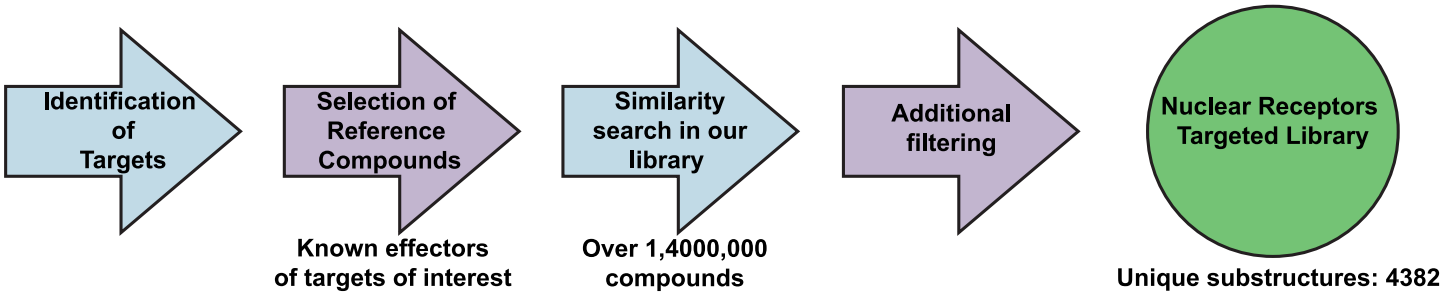
https://vitasmlab.net

NRMARK

Nuclear Receptors Targeted Library

Nuclear receptor proteins are essential regulators of gene expression, controlling critical processes like metabolism, devel- opment, and immune function. They respond to hormones, lipids, and xenobiotics, making them pivotal in maintaining homeostasis. Dysregulation of nuclear receptors contributes to diseases such as diabetes, cancer, and cardiovascular disor- ders. While drugs targeting receptors like estrogen or glucocorticoid receptors have been transformative, many existing therapies suffer from side effects, resistance, or limited efficacy. Additionally, orphan nuclear receptors with no known ligands remain underexplored, offering untapped therapeutic potential. New drugs that selectively modulate these receptors or exploit allosteric sites could provide safer, more effective treatments. Expanding the drug pipeline for nuclear receptors could address unmet needs in endocrine, metabolic, and inflammatory diseases, improving outcomes for millions of patients worldwide.

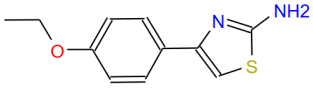


Example Targets:

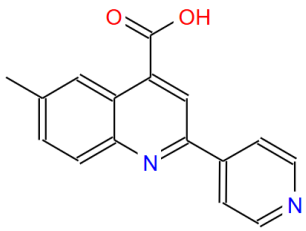
ERα

AR PPARγ

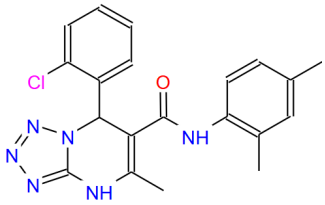
GR FXR



STK402003



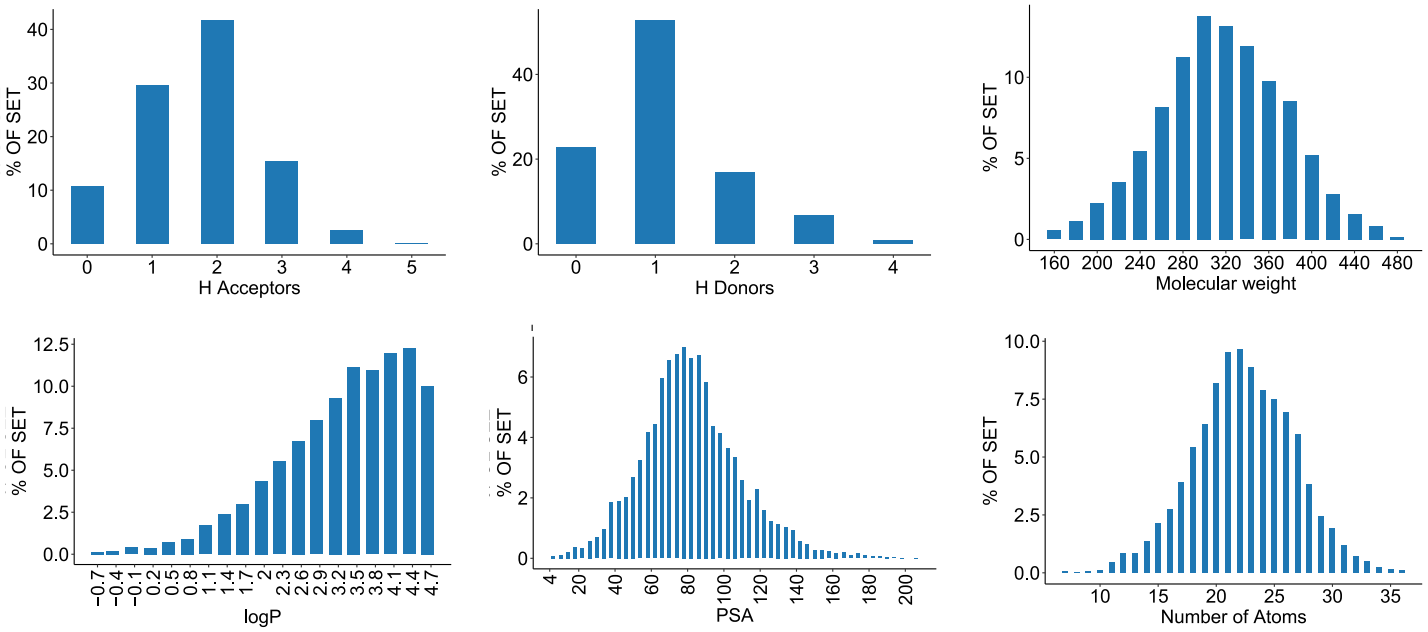
STK414952



STK914828

Nuclear Receptors Targeted Library (NRMARK) consists of compounds with potential activity towards human nuclear recep- tor proteins. Compounds were selected based on similarity to known effectors of major NRs. 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 structur- al diversity and excludes problematic compounds. This library has 6372 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.