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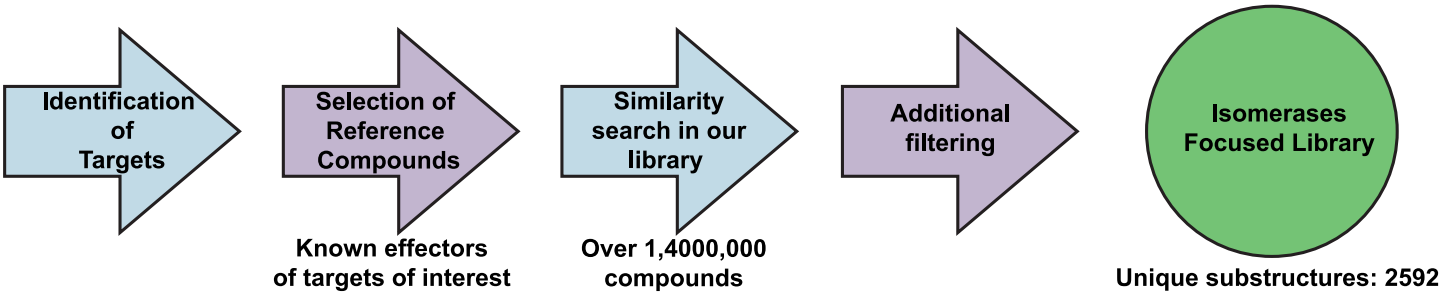
ISOMARK

Isomerases Focused Library

Isomerases are crucial enzymes that catalyze the rearrangement of molecules into their isomers, playing vital roles in meta- bolic pathways, protein folding, and cellular signaling. They ensure proper biochemical function by converting molecules into forms usable by the cell. Dysregulation of isomerases is linked to diseases like cancer, neurodegenerative disorders, and metabolic syndromes. Targeting isomerases with drugs offers therapeutic potential, as inhibitors can disrupt disease-specific pathways without broadly affecting cellular metabolism. However, many isomerases remain underexplored as drug targets, leaving untapped opportunities for treating complex diseases. Discovering new inhibitors and effectors of isomerases could lead to breakthrough therapies, especially for conditions with limited treatment options.

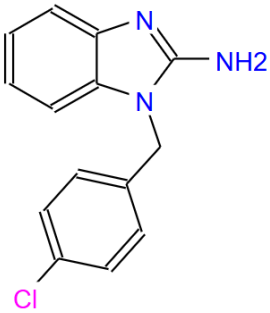


Example Targets:

Pin1 Cyclophilin A

TIM DNA Topoisomerases

GPI



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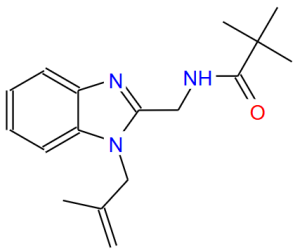

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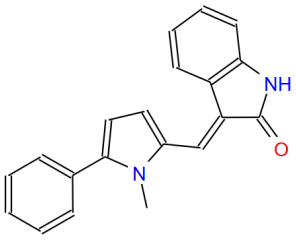
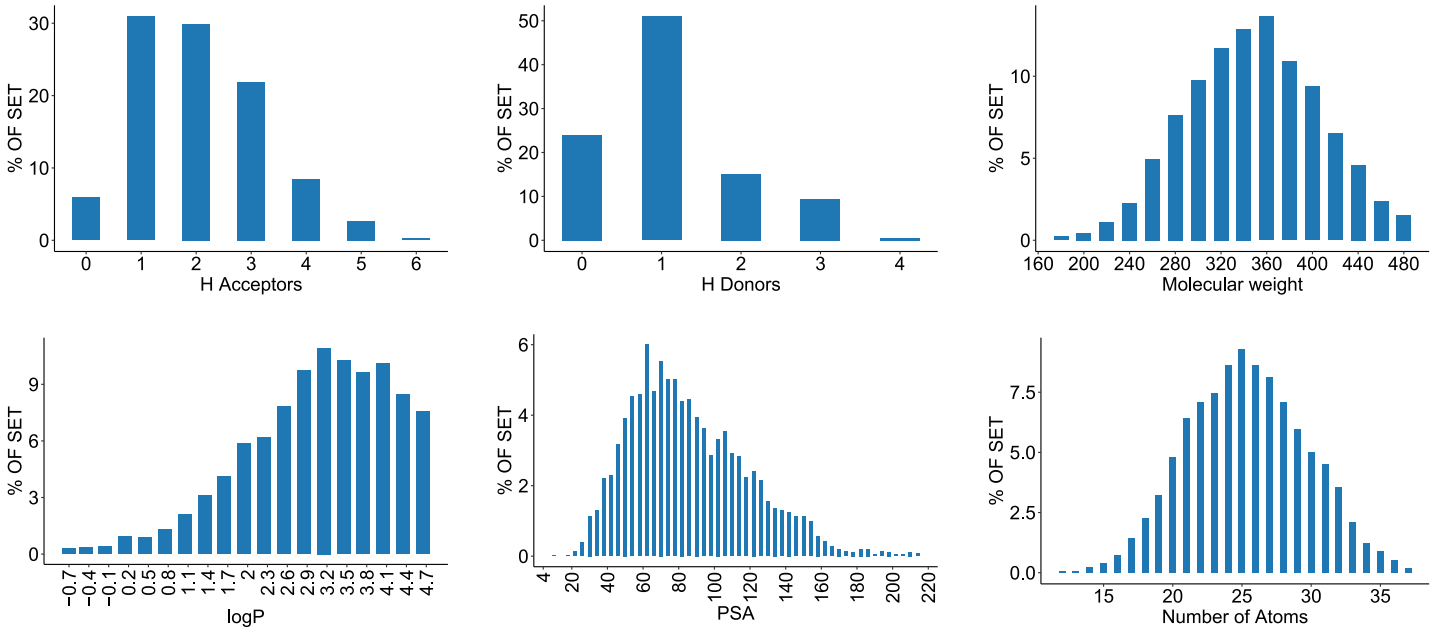


STL109988

Isomerases Focused Library (ISOMARK) consists of compounds with potential to effect isomerases activity, which were selected based on similarity to known effectors of prominent isomerases. 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 4386 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.