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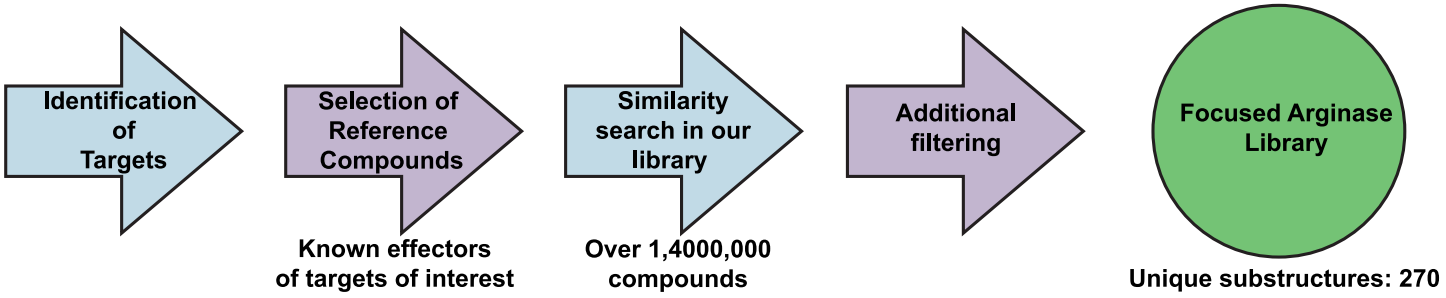
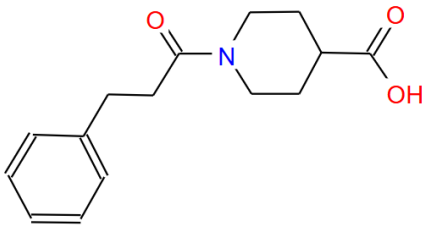
FARGMARK

Focused Arginase Library

Arginases are key enzymes that break down L-arginine into ornithine and urea, playing vital roles in the urea cycle and polyamine synthesis. Dysregulated arginase activity is linked to diseases like cardiovascular disorders (vascular stiffness, hypertension), pulmonary hypertension, cancer, and neurodegeneration via nitric oxide depletion. Current arginase inhibitors are limited by poor selectivity and pharmacokinetics, necessitating novel drugs to precisely target specific isoforms (arginase-1/2) without disrupting beneficial nitric oxide pathways. Improved inhibitors could treat vascular dysfunction, fibrosis, and immunotherapy-resistant cancers by restoring L-arginine levels and enhancing immune respons- es. Developing isoform-specific or tissue-targeted arginase modulators could revolutionize therapy for these conditions, making it a promising yet underexplored drug discovery frontier.





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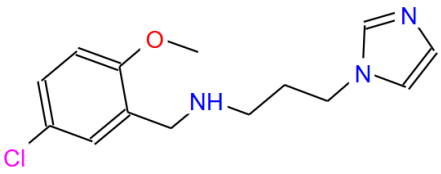

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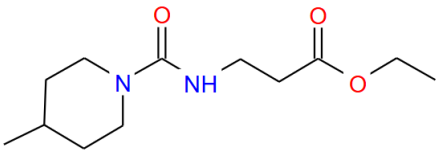
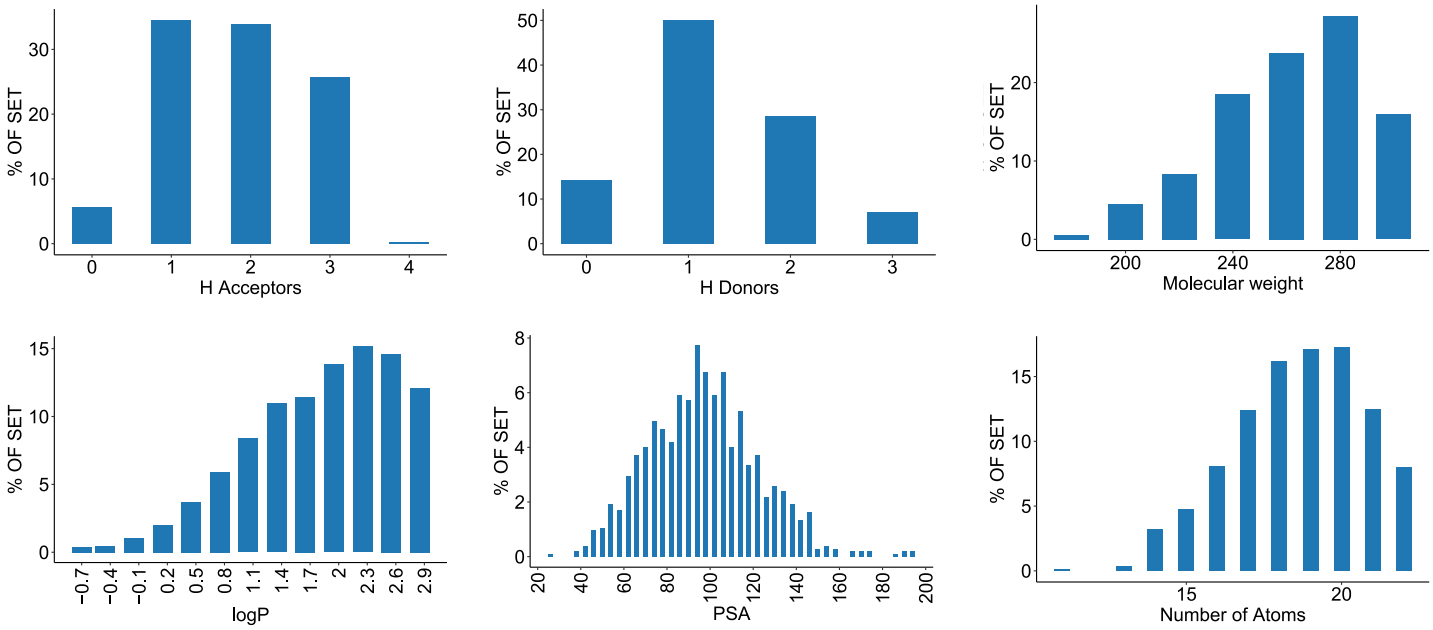


STK485900

Focused Arginase Library (FARGMARK) consists of compounds which were selected based on similarity to known effectors of human Arginase. 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 1049 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.