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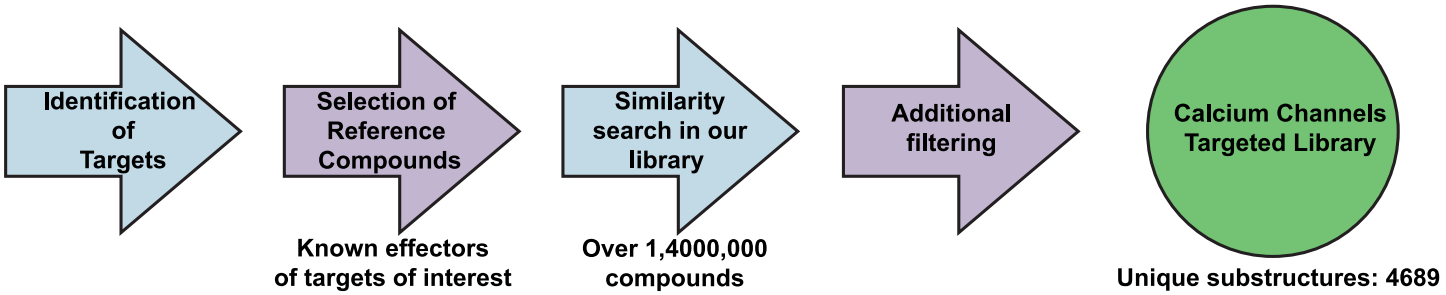
CALCMARK

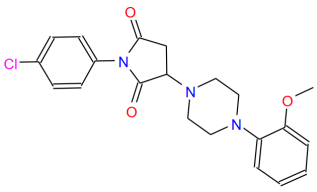
Calcium Channels Targeted Library

Calcium channels are crucial for regulating calcium ion flow across cell membranes, impacting vital processes like muscle contraction, neurotransmitter release, and cardiac function. Dysregulation of these channels is linked to diseases such as hypertension, arrhythmias, epilepsy, and chronic pain. Existing calcium channel blockers, like amlodipine and verapamil, treat some conditions but often lack specificity, causing side effects. Discovering new drugs that target specific calcium channel subtypes could improve precision, reducing adverse effects while enhancing efficacy. Novel compounds could also address unmet needs in diseases where current treatments fail, such as neuropathic pain or certain epilepsies. Innovating calcium channel-targeting drugs remains a critical frontier in drug discovery field.

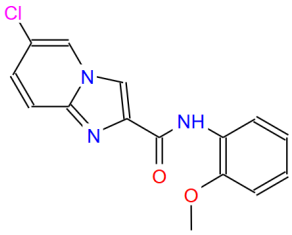


Example Targets:

L-Type Calcium Channels T-Type
Calcium Channels N-Type
Calcium Channels



STK065830



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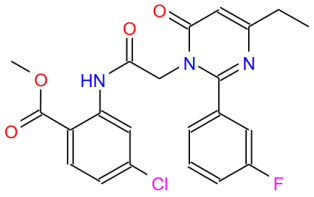
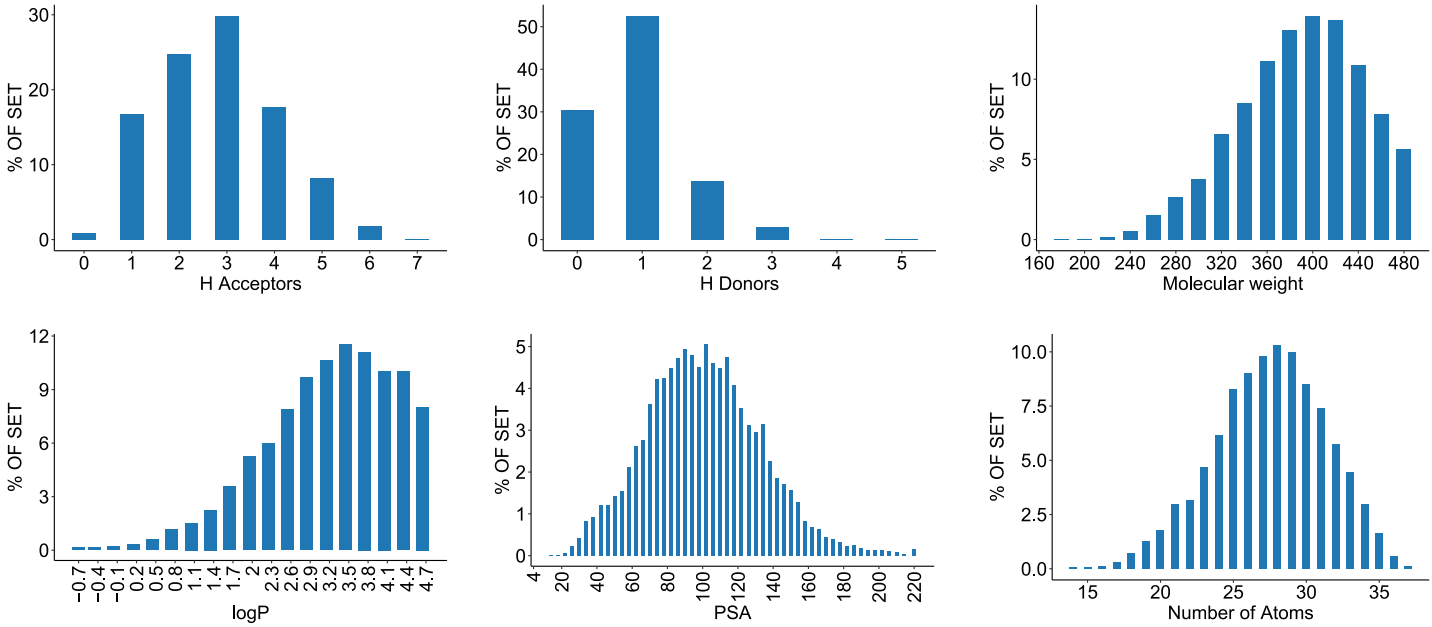


STL080644

Calcium ChannelsTargeted Library (CALCMARK) consists of compounds with potential activity towards calcium channels, which were selected based on similarity to known effectors of such proteins. 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 8614 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.