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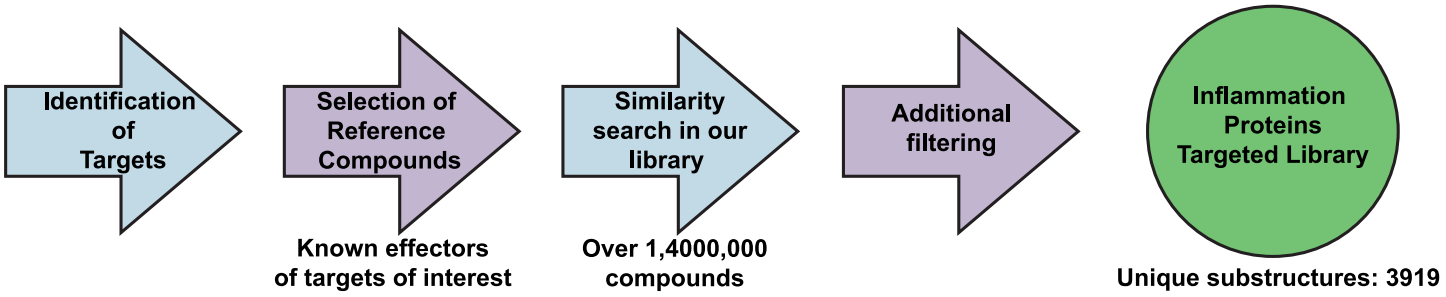
IAMARK

Inflammation Proteins Targeted Library

Inflammation proteins are critical mediators of immune responses, tissue repair, and pathogen defense. However, their dysregulation drives chronic inflammatory diseases as well as neurodegenerative conditions and cancer. While existing biologics and small-molecule inhibitors have transformed treatment, many patients experience limited efficacy, resistance, or severe side effects like immunosuppression. Novel drugs targeting underexplored pathways or employing multimodal mechanisms could offer safer, more durable solutions. With global inflammatory disease prevalence rising, the demand for precision therapies—capable of modulating specific immune checkpoints without systemic suppression—has never been greater, making inflammation proteins a high-priority frontier for drug discovery and HTS.

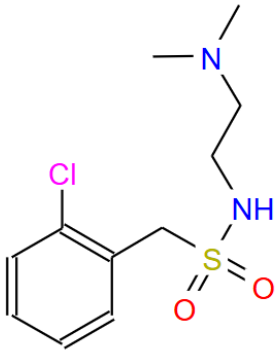


Example Targets:

COX-2

TNF-α NLRP3 Inflammasome

p38 MAPK JAK Family



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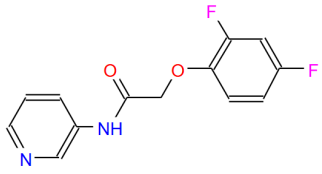

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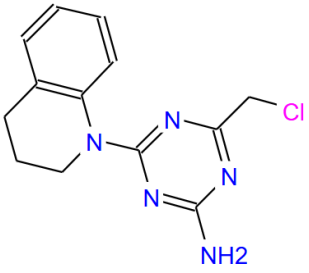
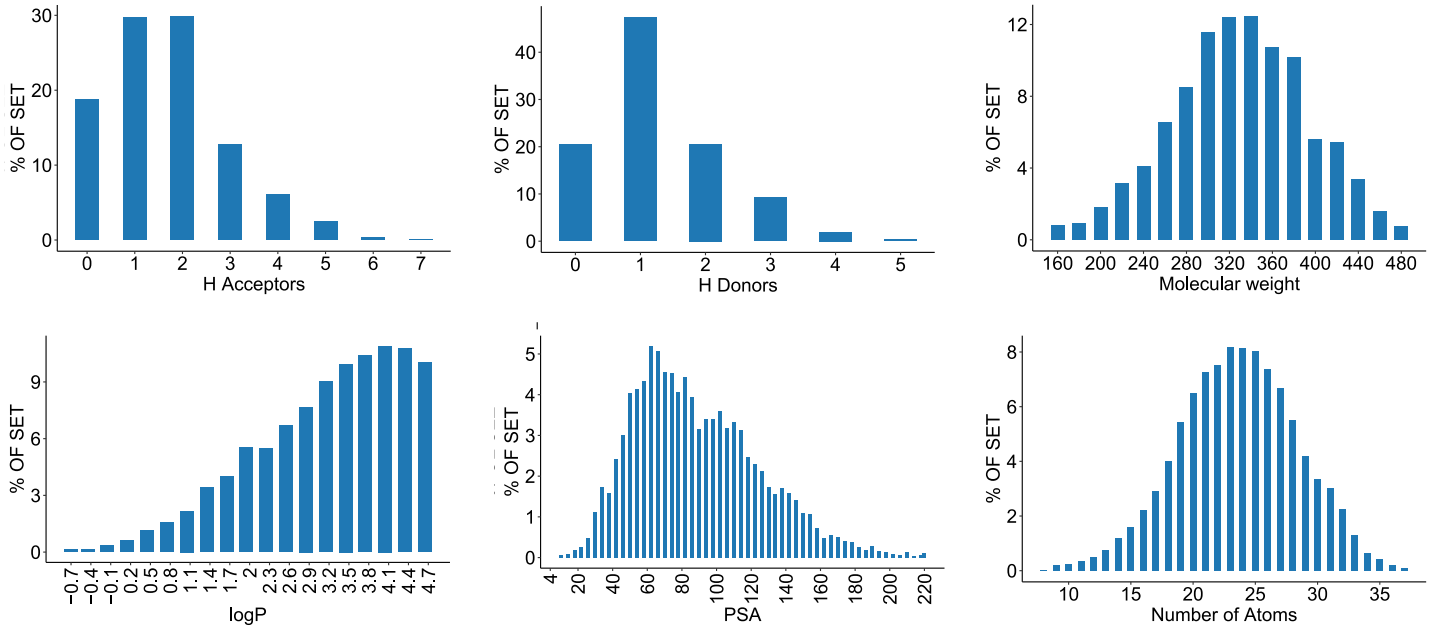


STK132069

Inflammation Proteins Targeted Library (IAMARK) consists of compounds with potential activity towards proteins, associated with inflammation. Compounds were selected based on similarity to known effectors of inflammation 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 5337 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.