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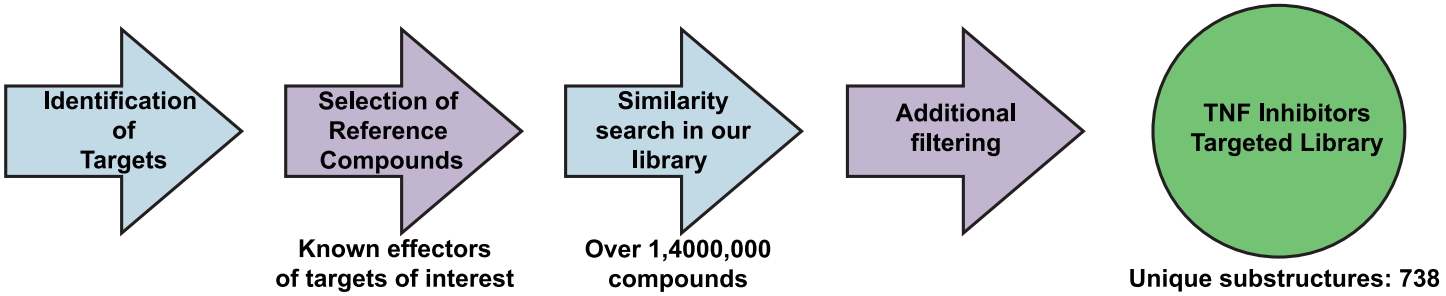
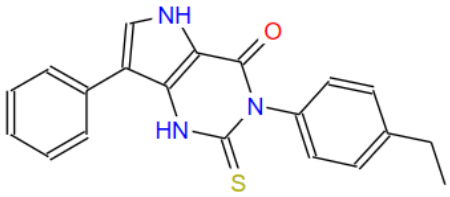
TNFMARK

Tumor Necrosis Factor Targeted Library

Tumor Necrosis Factor (TNF) is a master cytokine, a central commander of the body's inflammatory response. While vital for fighting infection, its excessive or dysregulated production drives the chronic inflammation that underlies autoimmune diseases like rheumatoid arthritis, Crohn's disease, and psoriasis. Biologic drugs that neutralize TNF have been transforma- tive for millions of patients. However, these large protein-based therapies are expensive, require injection, can lose efficacy over time, and carry risks of serious infection and malignancy. There is a critical unmet need for small-molecule drugs that can precisely modulate the TNF signaling pathway. Such molecules could offer improved accessibility, better tissue penetra- tion, the potential for combination therapies, and might target specific downstream inflammatory signals to improve safety. Developing these next-generation inhibitors is essential to provide more patients with effective, durable, and safer control over debilitating inflammatory diseases.





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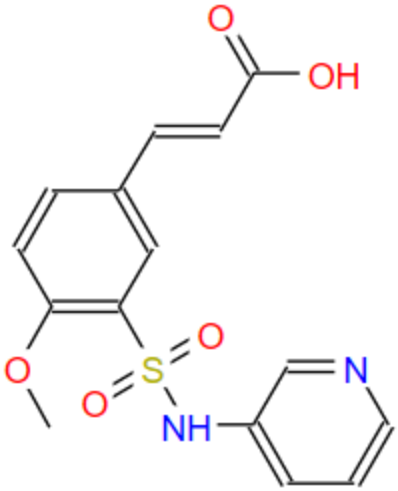

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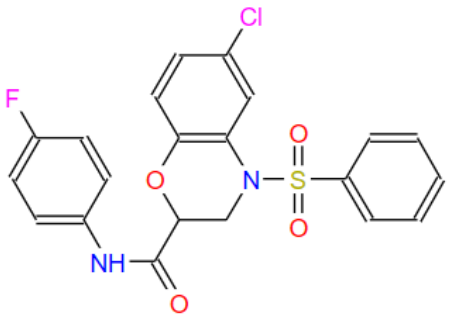

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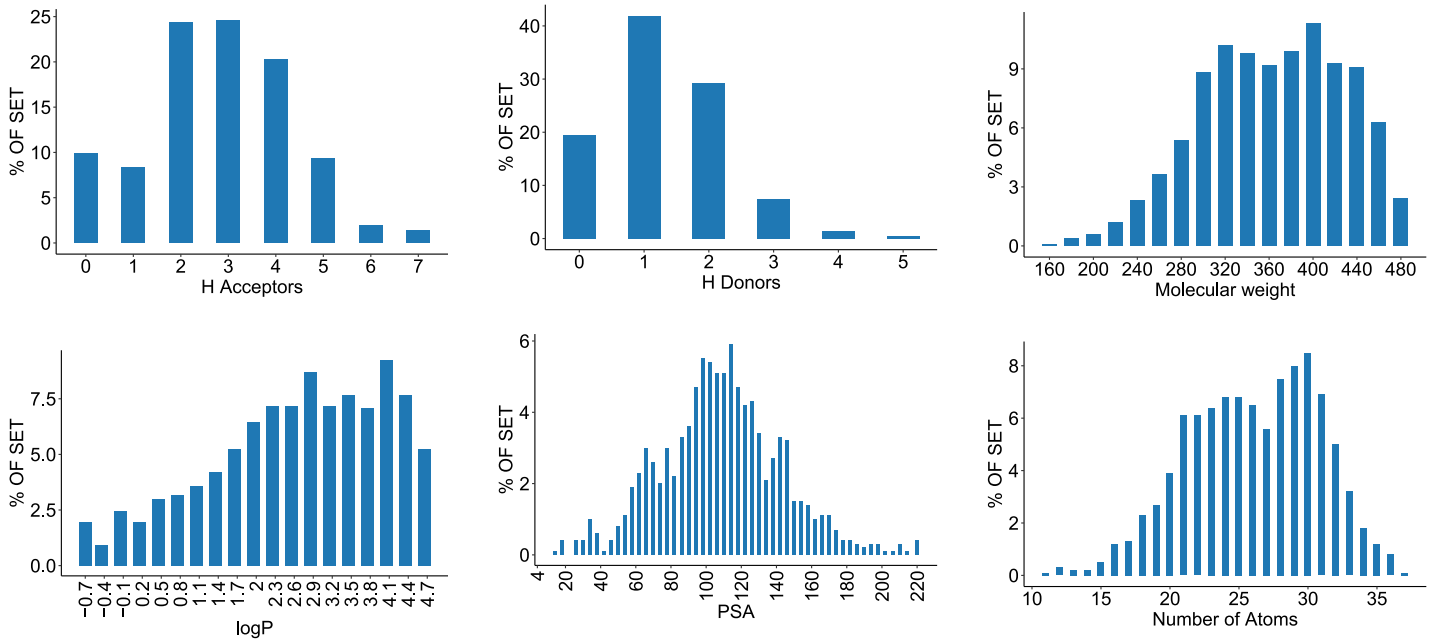
The Tumor Necrosis Factor Targeted Library (TNFMARK) is a collection of 1000 rule-of-five compliant compounds specifi- cally designed to potentially inhibit TNF protein at various stages. Each compound was selected based on structural similari- ty to known potential effectors. TNFMARK provides a robust foundation for high-throughput screening, offering a diverse array of chemical starting points for discovering new effectors with potential to inhibit TNF's activity.

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.