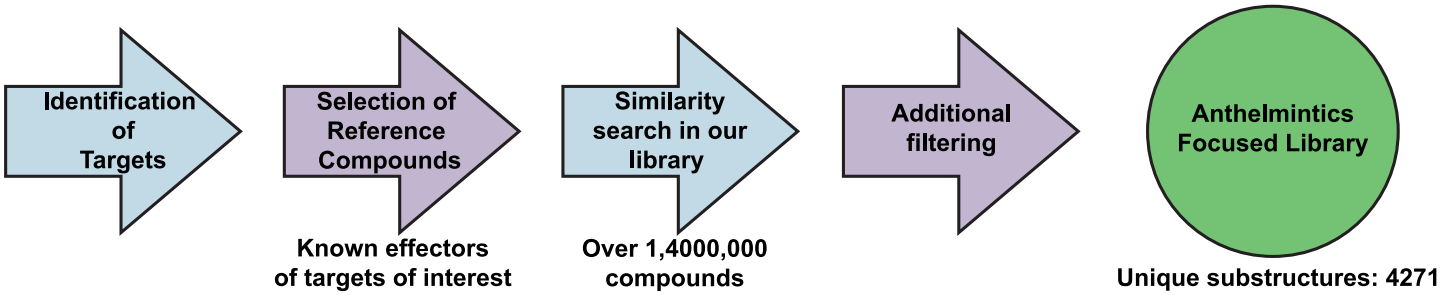
https://vitasmlab.net

ANTHELMARK

Anthelmintics Focused Library

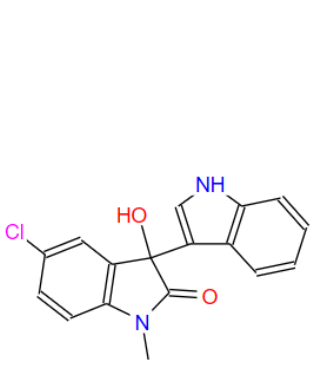
Anthelmintics are crucial for controlling parasitic worm infections that afflict over a billion people globally, causing debilitating diseases. These infections perpetuate poverty, impair childhood development, and burden livestock industries. However, the therapeutic arsenal is dangerously limited and threatened by rampant drug resistance in veterinary parasites, a precursor to emerging resistance in human pathogens. Most classes, like benzimidazoles and macrocyclic lactones, target only a few molecular pathways, making cross-resistance a severe risk. The urgent need for novel small molecule drugs is clear. Devel- oping next-generation anthelmintics is essential to safeguard human health, ensure food security, and break the cycle of disease in vulnerable communities worldwide.



Example Targets:

β-Tubulin Cytochrome b / bc1 Complex

Guanylate Cyclase



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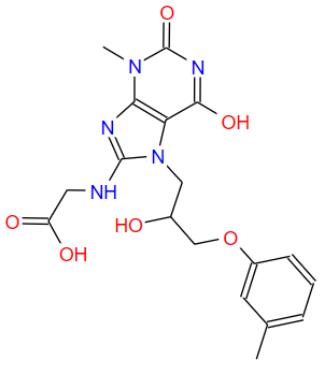

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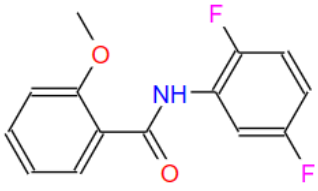
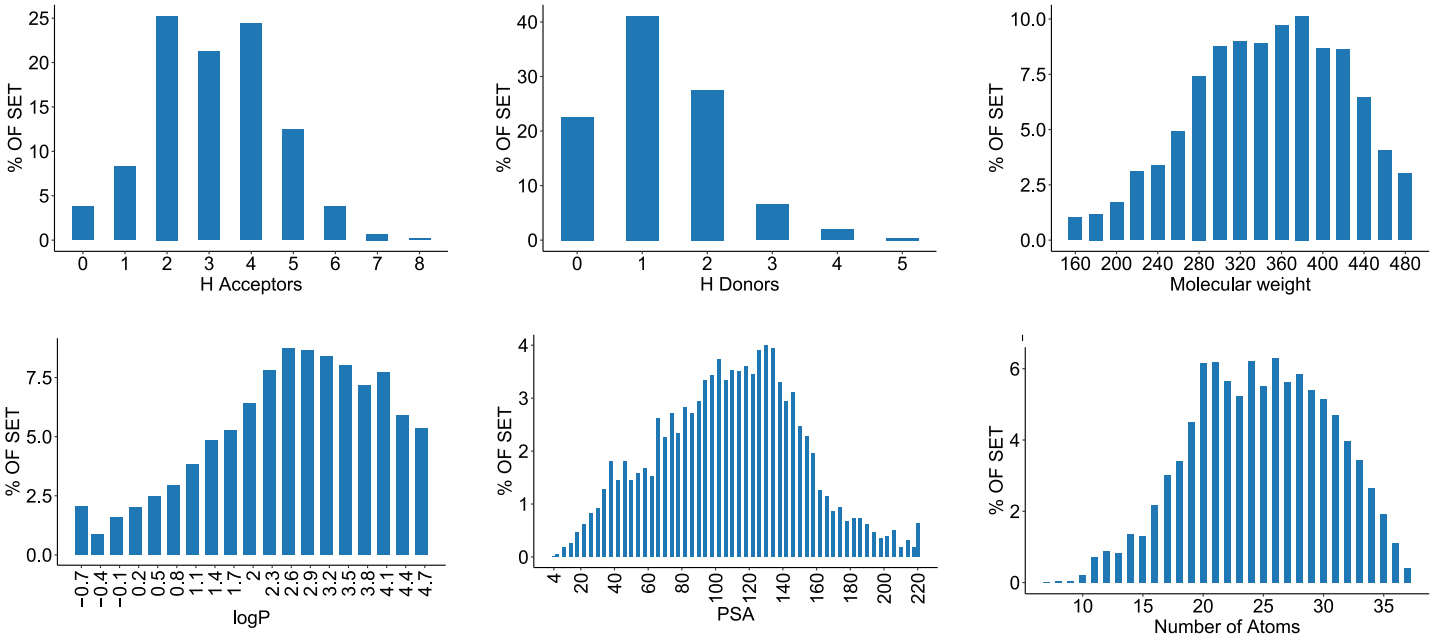


STL256170

The Anthelmintics Focused Library (ANTHELMARK) contains 5629 rule-of-five compliant compounds selected for their structural similarity to known anthelmintic target effectors. ANTHELMARK provides a robust foundation for drug discovery programs, offering a diverse array of lead-like molecules suitable for high-throughput screening against parasitic worm infections. The library serves as both a starting point for new anthelmintic discovery efforts and a source for expanding existing projects targeting resistant helminth strains.

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.