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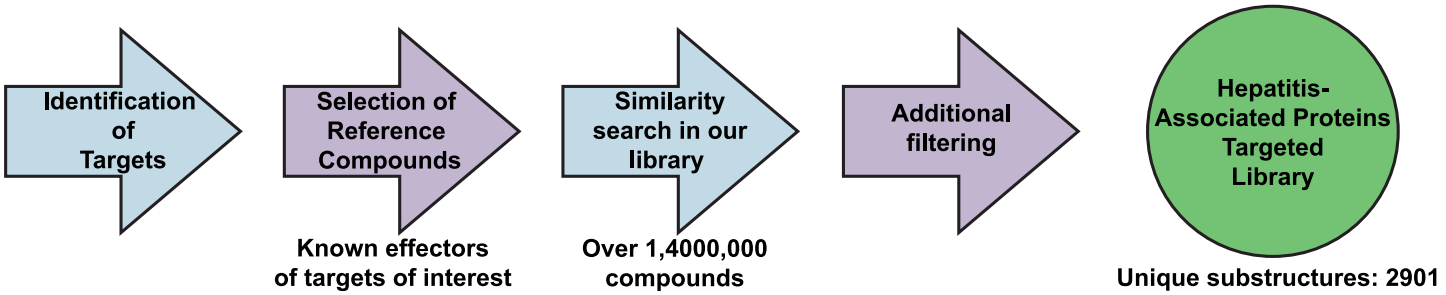
HEPAMARK

Hepatisis - Associated Proteins Targeted Library

Hepatitis-related proteins include viral polymerases, proteases, and surface antigens, as well as host entry receptors and immune modulators that drive infection, replication, and disease progression. Their dysfunction enables viral persistence, liver inflammation, fibrosis, and ultimately hepatocellular carcinoma. While direct-acting antivirals have revolutionized hepa- titis C treatment, hepatitis B remains incurable due to its stable covalently closed circular DNA and impaired host immune response. Drug resistance and off-target effects further limit existing therapies. Novel drugs targeting underexplored viral enzymes or host dependency factors could eradicate persistent viral reservoirs, restore immune control, and prevent liver cancer. The global burden of viral hepatitis, with millions chronically infected, underscores the urgent need for more effective and accessible therapeutics to achieve elimination goals.

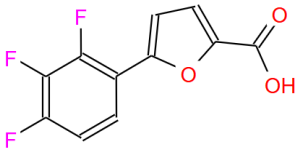


Example Targets:

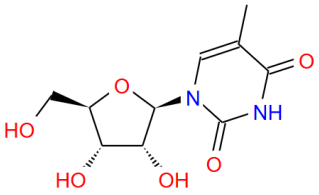
NS3/4A Serine Protease

HBV Core Protein

NTCP Toll-Like Receptor 7



STL444446



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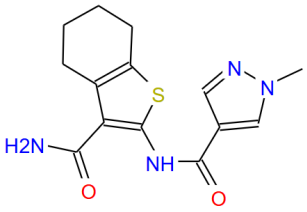
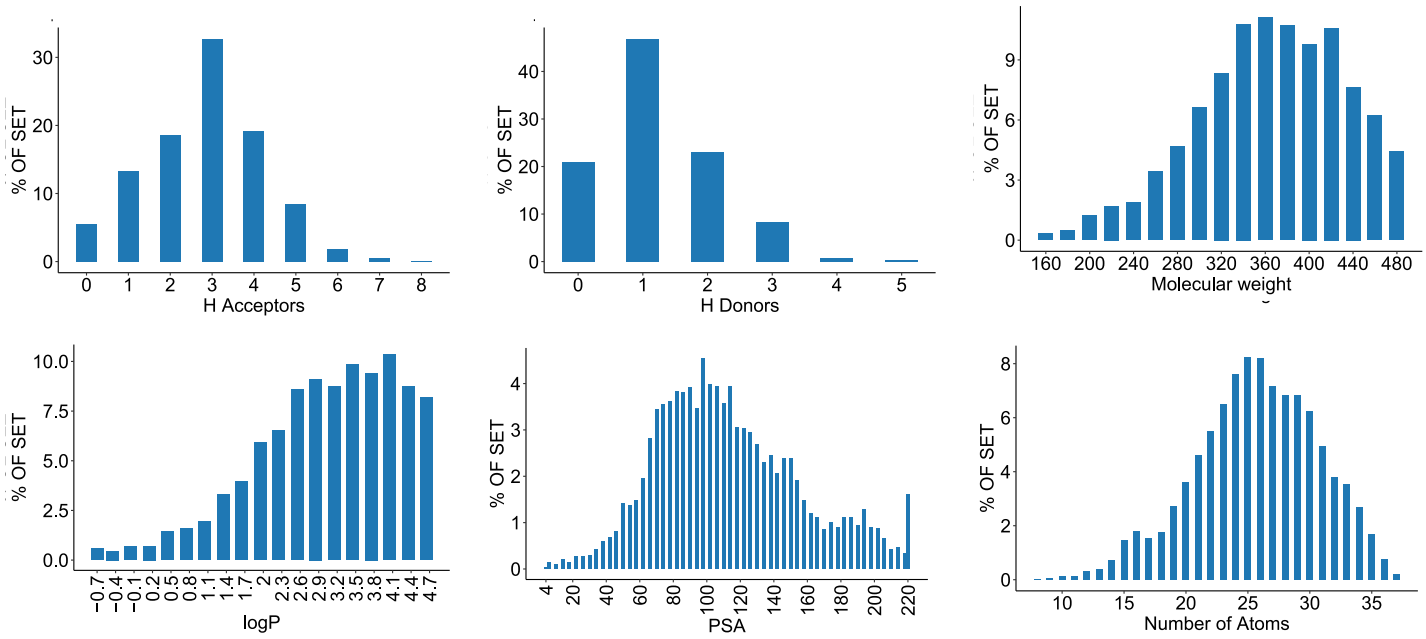


STL400976

The Hepatitis-Associated Proteins Targeted Library (HEPAMARK) is a specialized collection of 4119 rule-of-five compliant compounds, curated based on structural similarity to known modulators of hepatitis-related proteins. This library is designed to support new and ongoing drug discovery efforts by providing a diverse set of lead-like molecules with optimized proper- ties, while excluding compounds with undesirable structural features or potential toxicity. HEPAMARK offers a focused yet structurally varied starting point for high-throughput screening campaigns aimed at developing novel therapeutics against hepatitis B and C. Distribution of Parameters

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.