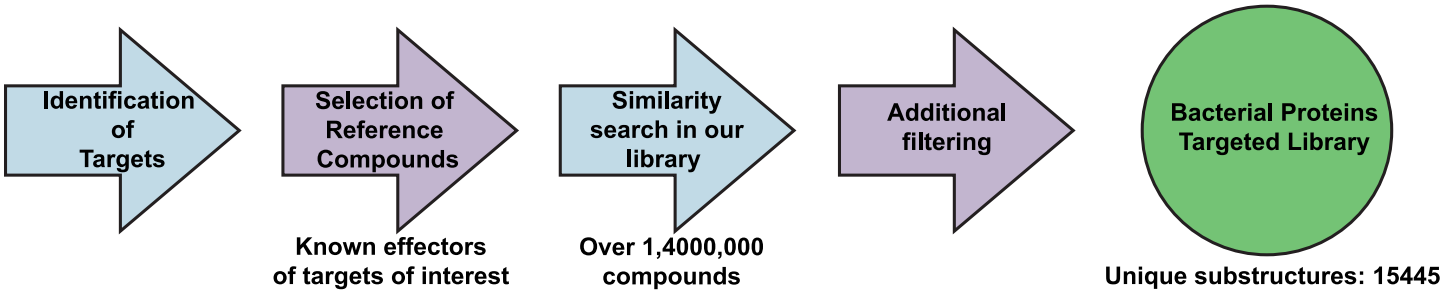
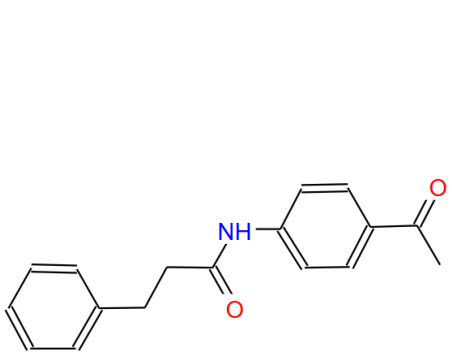
https://vitasmlab.net

BACPMARK

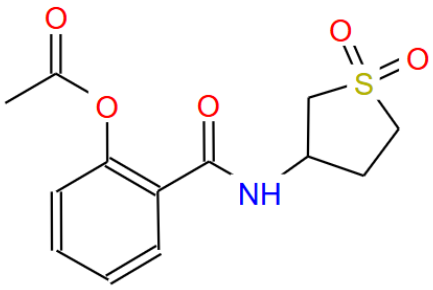
Bacterial ProteinsTargeted Library

Bacterial pathogens are a leading cause of global morbidity and mortality, responsible for diseases ranging from routine infections like strep throat to deadly conditions like tuberculosis, sepsis, and hospital-acquired pneumonia. The rise of antimicrobial resistance has rendered many first-line antibiotics ineffective, with multi-drug-resistant strains posing particular threats. Current drugs also struggle against biofilm-embedded and intracellular bacteria, which evade immune responses and antibiotic penetration. The development of novel antimicrobials is critical to bypass existing resistance mechanisms and to target essential virulence pathways without harming commensal microbiota. Innovative approaches, including small-mol- ecule bacterial proteins inhibitors, offer promising solutions to this growing crisis, which could otherwise cause 10 million annual deaths by 2050.

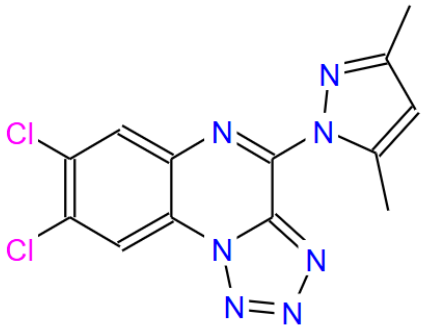




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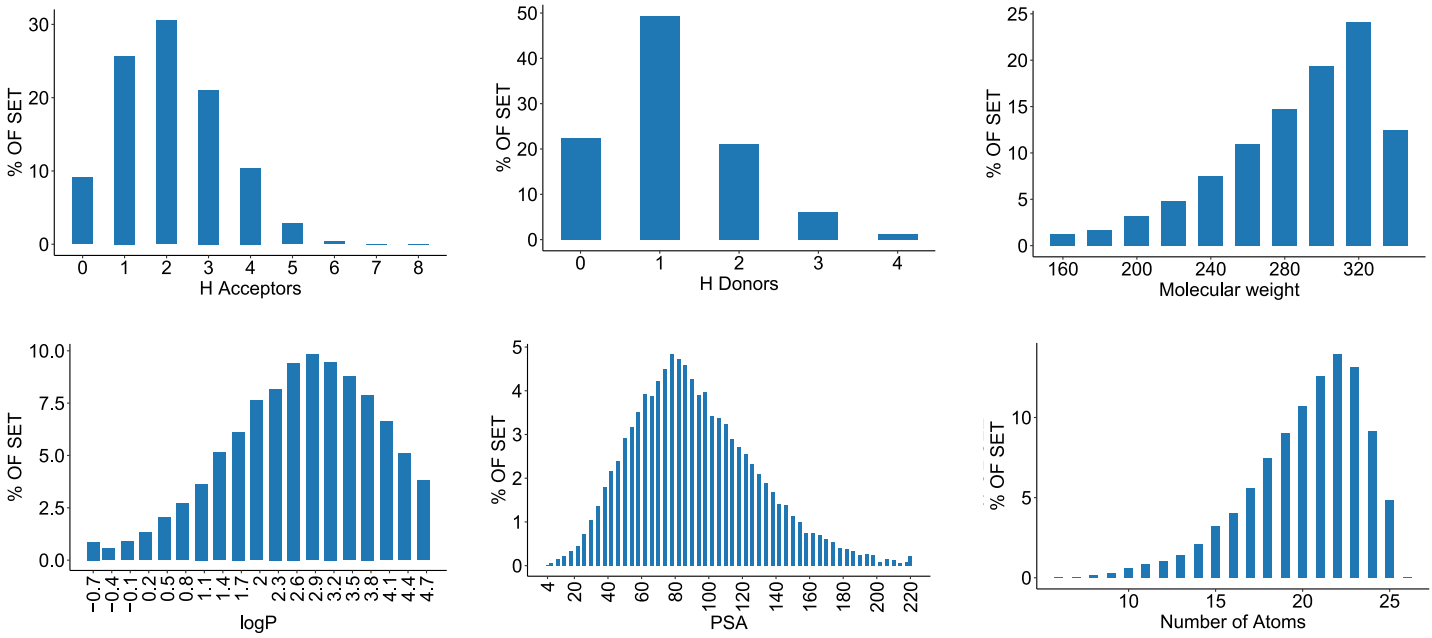
STK910876



STL432955

Bacterial ProteinsTargeted Library (BACPMARK) consists of compounds with potential antibacterial activity, which were selected based on similarity to known effectors of human bacterial 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 27248 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.