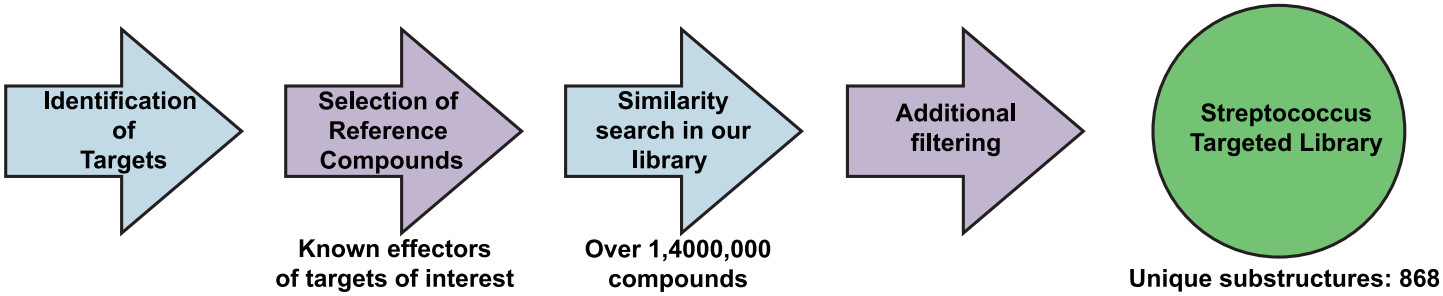
https://vitasmlab.net

STREPMARK

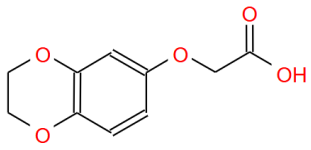
Streptococcus Targeted Library

Streptococcus species are major human pathogens causing infections ranging from mild to life-threatening. While penicillin remains effective against many strains, emerging antibiotic resistance (e.g., in S. pneumoniae) and treatment failures in invasive infections underscore the need for novel therapies. Current antibiotics disrupt bacterial growth but face limitations: they induce dysbiosis, lack virulence-targeted action, and struggle with biofilm-associated infections. Small-molecule drugs targeting streptococcal virulence factors or host-pathogen interactions could provide precision treatment while preserving microbiota. Additionally, persister cells and intracellular survival mechanisms enable evasion of conventional antibiotics, demanding innovative chemical scaffolds. With rising post-infectious complications and antibiotic resistance, new small-mol- ecule therapeutics are urgently needed to reduce global morbidity and healthcare burdens.

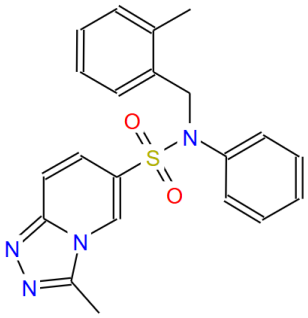


Example Targets:

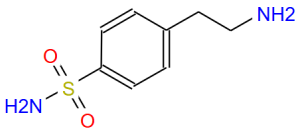
Streptococcus Sobrinus
Streptococcus Pyogenes
Streptococcus Agalactiae
Streptococcus Pneumoniae
Streptococcus Salivarius



STL553704



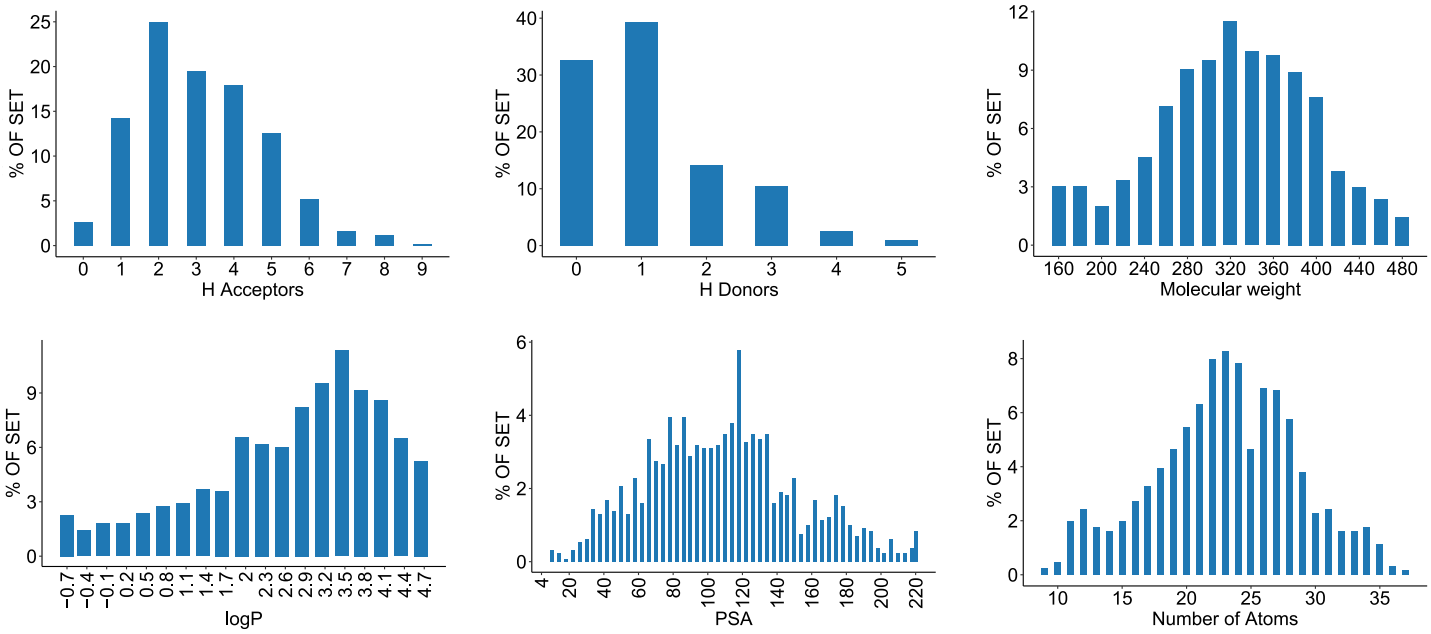
STL104807



STL102633

Streptococcus Targeted Library (STREPMARK) consists of compounds with potential antibiotic activity, which were selected based on similarity to known effectors of various Streptococci species. 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 1317 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.