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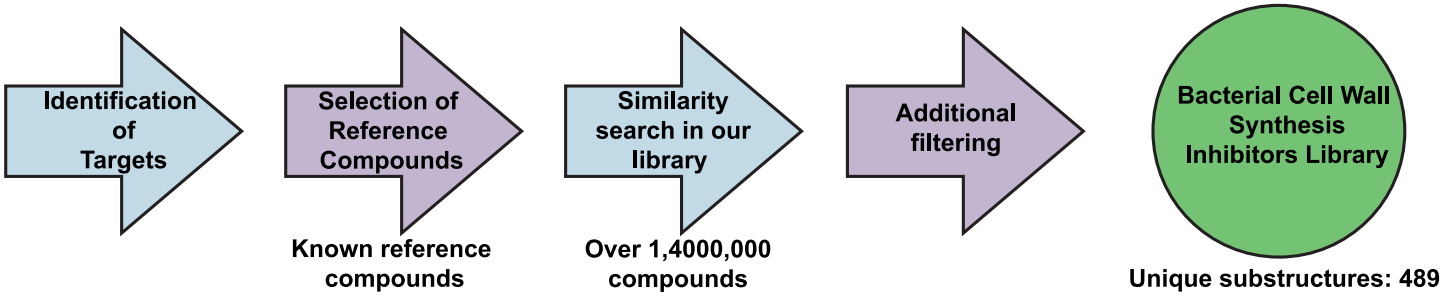
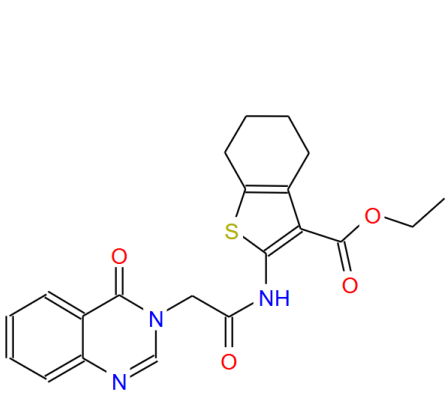
BACCWMARK

Bacterial Cell Wall Synthesis Inhibitors Library

Bacterial cell wall synthesis inhibitors are crucial antibiotics that target a structure absent in human cells, ensuring selective toxicity with fewer side effects. By disrupting peptidoglycan formation, they cause bacterial cell lysis, effectively treating infections like pneumonia, sepsis, and skin infections. However, widespread resistance—especially to β-lactams like penicil- lins and carbapenems—threatens their effectiveness. Bacteria evade these drugs rendering many treatments useless. Discovering inhibitors that bypass existing defenses could revitalize our antibiotic arsenal. Without innovation, common infections may become untreatable, underscoring the urgent need for next-generation cell wall inhibitors to outpace bacterial evolution and safeguard global health.





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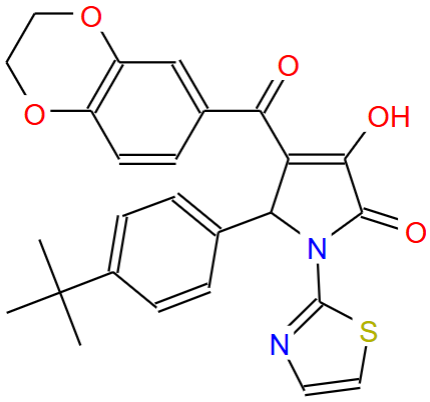

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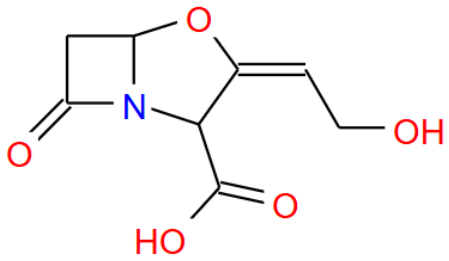
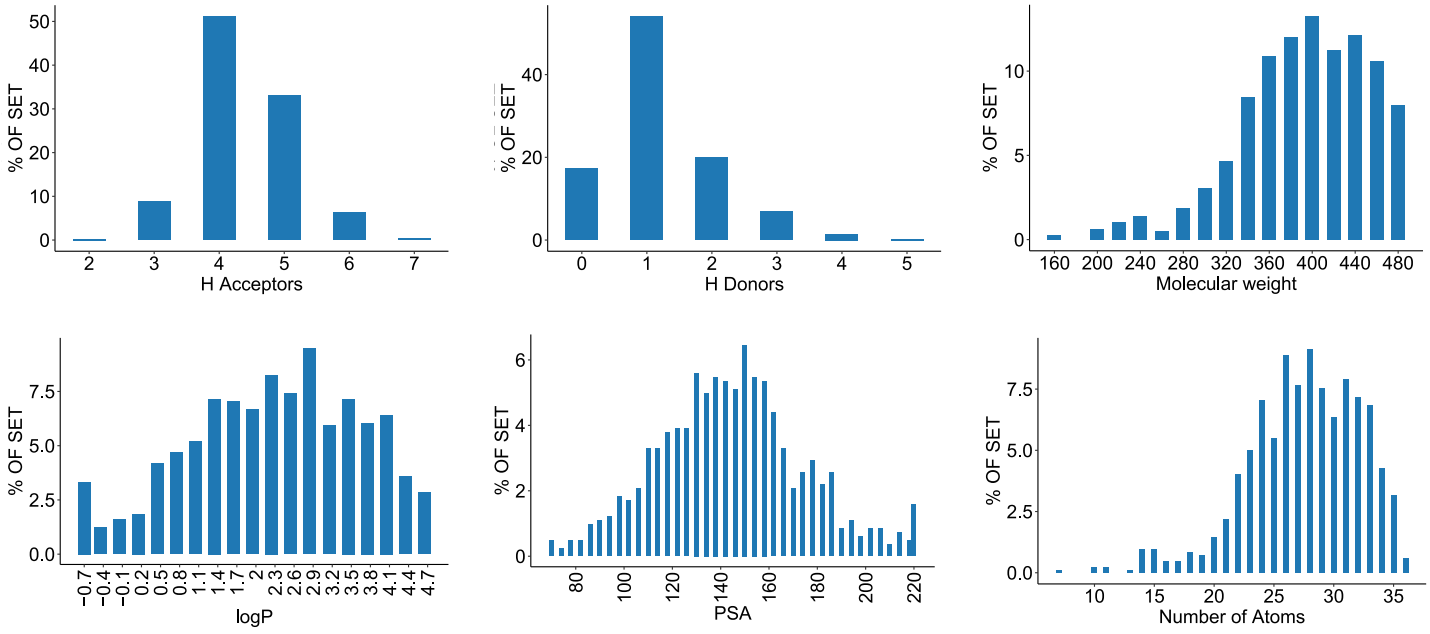


STK397075

Bacterial Cell Wall Synthesis Inhibitors Library (BACCWMARK) consists of compounds with potential antibiotic activity, which were selected based on similarity to known bacterial bacterial cell wall synthesis inhibitors. 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 struc- tural diversity and excludes problematic compounds. This library has 821 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.