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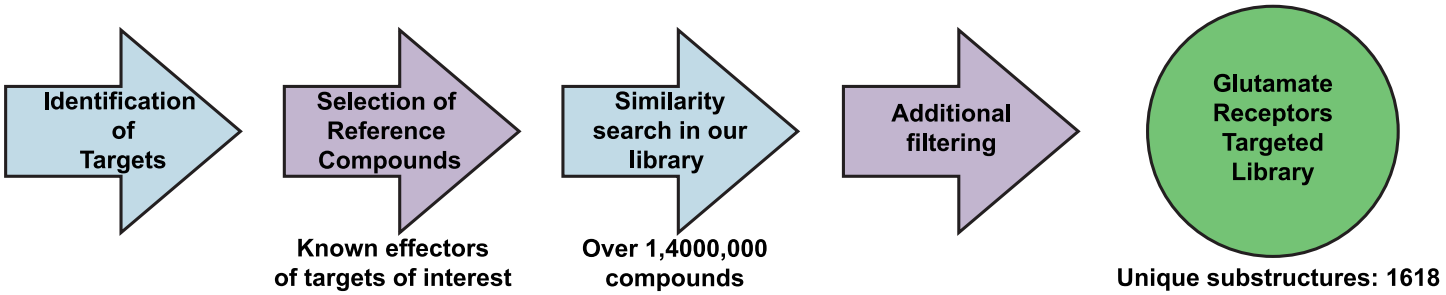
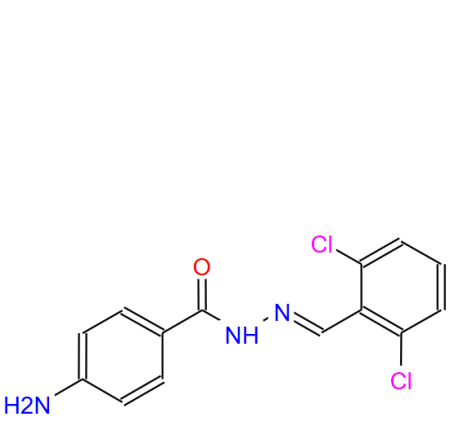
GRMARK

Glutamate Receptors Targeted Library

Glutamate receptors are fundamental to brain function, mediating the vast majority of excitatory neurotransmission. They are critical for learning, memory, and synaptic plasticity. However, their dysregulation is a central driver of numerous neuro- logical and psychiatric disorders. Excessive activation or hypofunction can lead to a variety of conditions such as schizo- phrenia and cognitive deficits. The complexity of glutamate receptor subtypes presents a major opportunity for developing selective novel drugs. Next-generation modulators targeting specific receptor subunits or allosteric sites could provide neuroprotection without impairing essential synaptic function, offering hope for treating the root causes of neurological conditions rather than just their symptoms.





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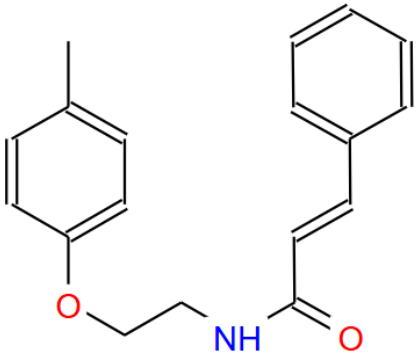

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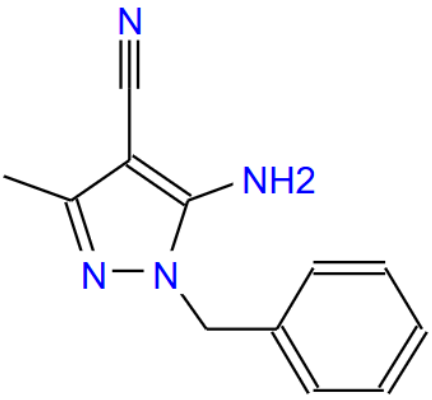

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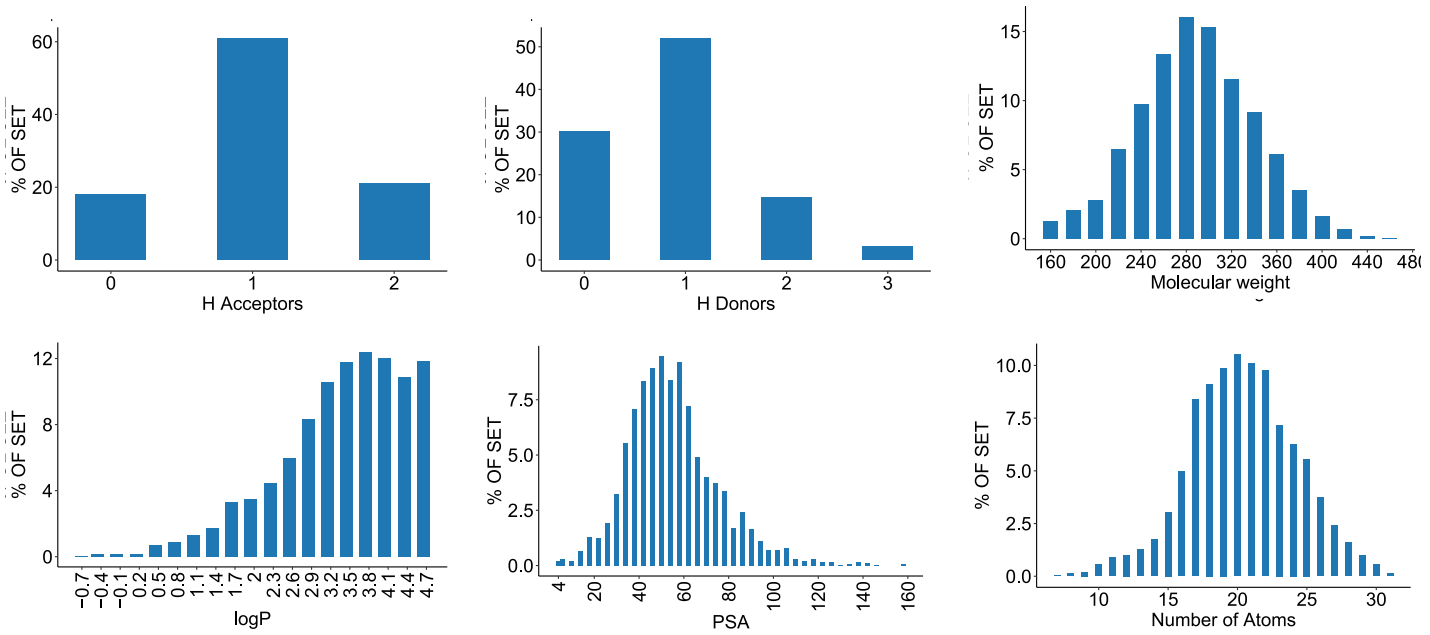
The Glutamate Receptors Targeted Library (GRMARK) is a set of 2359 drug-like compounds, all compliant with the rule of five. Each compound was selected for its structural similarity to known modulators of key human glutamate receptors proteins, ensuring biological relevance. The library prioritizes structural diversity and favorable drug properties while filtering out problematic molecules. GRMARK provides an ideal foundation for high-throughput screening, offering a rich source of novel chemical starting points for both new and ongoing drug discovery programs.

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.