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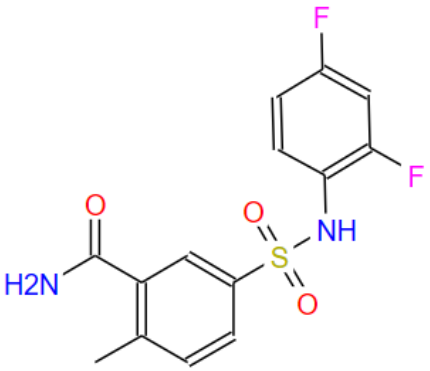
PAMIDMARK

Primary Amids Library

Primary amides are versatile functional groups that have widespread occurrence in both natural and synthetic bioactive molecules. Their prevalence is remarkable, with them present in numerous approved drugs such as paracetamol, nicotin- amide, and the antibiotic linezolid, underscoring their proven utility as pharmacophores. The structure of the primary amide group provides a unique balance of hydrogen-bond donor and acceptor capabilities, enabling it to participate in critical interactions with biological macromolecules like enzymes and receptors. They often enhance solubility, metabolic stability, and oral bioavailability, making them particularly attractive for medicinal chemistry optimization. Despite their utility, primary amides are sometimes overlooked due to concerns about metabolic instability, yet recent advances in structural design and prodrug strategies have somewhat mitigated these issues. The increasing recognition of primary amides as privileged motifs in epigenetic modulators and kinase inhibitors further highlights their growing importance. They remain indispensable tools in drug discovery, combining chemical simplicity with potent biological activity and offering a strong foundation for developing next-generation therapeutics across diverse disease areas.



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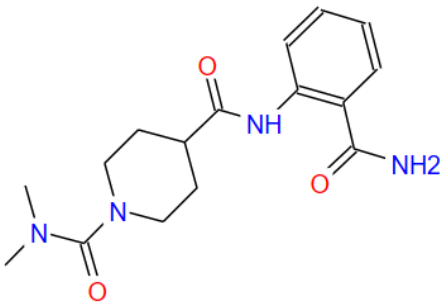

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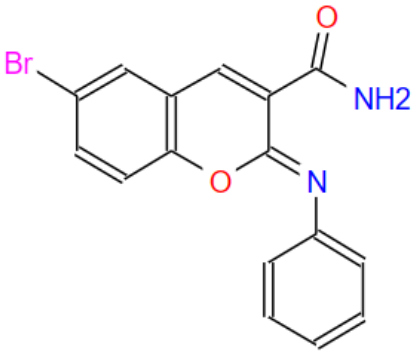

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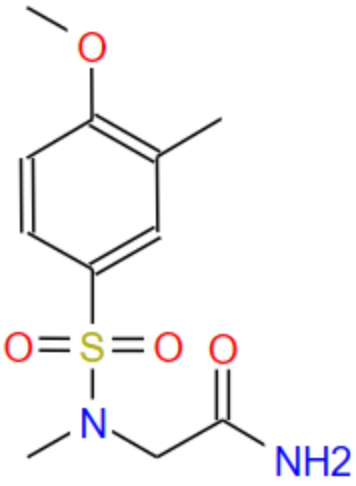

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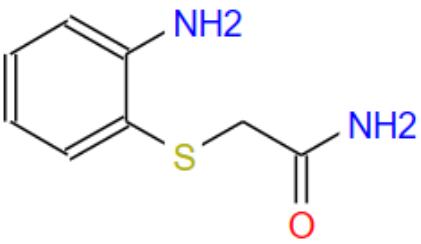

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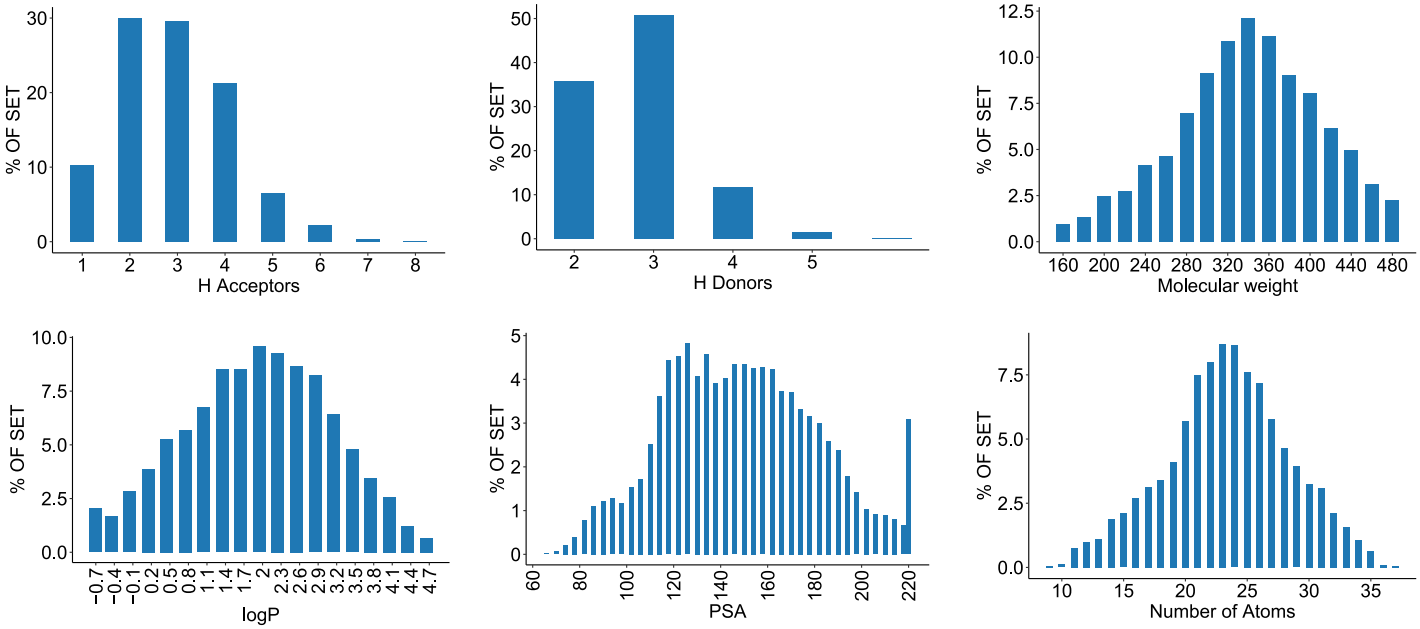
Primary Amids Library (PAMIDMARK) consists of primary amide compounds, selected and further filtered based on predict- ed optimization for drug discovery. This library was designed to provide a potential starting point or to expand ongoing drug discovery project. This library has 10653 compounds. All 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.