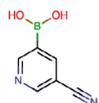


# Key Pyridines for Drug Discovery

Pyridines are among the most fundamental scaffolds in medicinal chemistry, appearing in more FDA-approved drugs than any other nitrogen-containing heterocycle. Over 80% of newly approved small-molecule therapeutics incorporate an N-heterocycle, reflecting the broad utility and adaptability of the pyridine ring. Pyridines are relevant in multiple therapeutic areas, as seen in FDA-approved pyridine-containing drugs such as the anticancer agents Sotorasib – US10519146 (Amgen) and Ripretinib – US10966966B2 (Deciphera Pharmaceuticals), the migraine treatment Atogepant – US9850246 (AbbVie), the antiretroviral Lenacapavir – US10071985 (Gilead Sciences), the Parkinson's disease therapy Opicapone – US9630955 (Bial), and the ADHD treatment Serdexmethylphenidate – US9079928B2 (KemPharm).

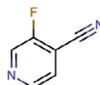
The pyridine ring can interact with receptor sites on druggable targets through the nitrogen lone pair and  $\pi$ - $\pi$  stacking interactions of its aromatic core. A further key component of pyridine's value in drug discovery is its synthetic versatility. Substitution around the ring is readily achievable, allowing precise tuning of electronic and steric properties to support efficient structure-activity relationship exploration without compromising aromatic stability, highlighting its suitability for late-stage diversification. Combined with its ability to enhance metabolic stability and membrane permeability, the pyridine scaffold is exceptionally useful throughout hit-to-lead and lead-optimisation campaigns. Highly substituted pyridines have always played an important part in our catalogue, and we have significantly expanded our collection of pyridine-containing compounds.

Scan the QR code to explore our library of high-quality pyridine building blocks to enhance your next project. Our full range of pyridines can be explored using our excellent search tools.



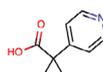
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[> Details](#)



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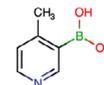
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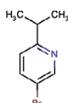
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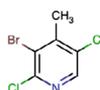
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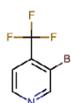
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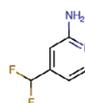
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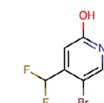
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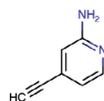
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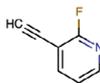
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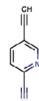
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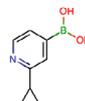
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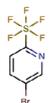
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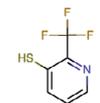
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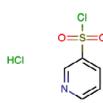
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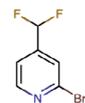
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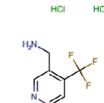
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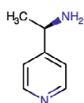
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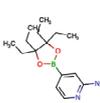
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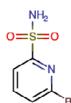
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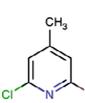
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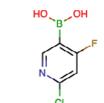
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