

PharmaBlock Whitepaper

Bridging molecules for innovative medicines

Cyclobutane Derivatives in Drug Discovery

Unlike larger and conformationally flexible cycloalkanes, cyclobutane and cyclopropane have rigid conformations. Due to the ring strain, cyclobutane adopts a rigid puckered (~30°) conformation. This unique architecture bestowed certain cyclobutane-containing drugs with unique properties. When applied appropriately, cyclobutyl scaffolds may offer advantages on potency, selectivity and pharmacokinetic (PK) profile.



Cyclobutane Derivatives in Drug Discovery

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PharmaBlock

PharmaBlock Products-Cyclobutanes

80,000+ building blocks, 63 series cover almost all the small molecule drug R&D needs

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[PBLG1180](#)

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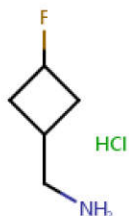
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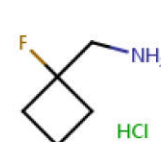
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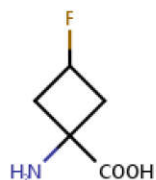
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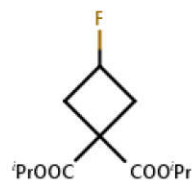
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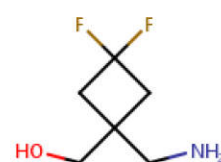
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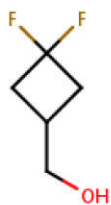
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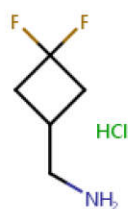
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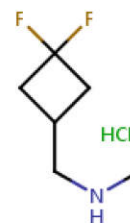
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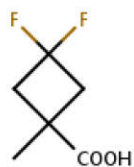
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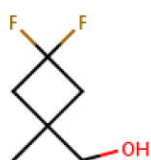
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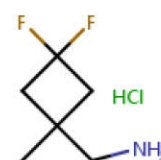
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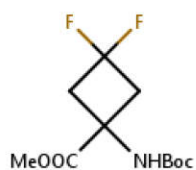
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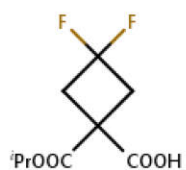
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