

Fluorinated functionalisation and sp³-hybridised carbon atoms are two of the most exciting areas being explored in medicinal chemistry today. Research has shown that three-dimensional ring structures such as cyclopropane and cyclobutane offer the possibility of increased solubility and the opportunity of accessing biological targets with more globular shapes.

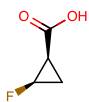
Furthermore with a proven track record of successful progression through clinical testing, as demonstrated in the leukotriene C4 synthase inhibitors - WO2016177845 (AstraZeneca) and the orexin receptor antagonists - US20120095031 (Elsai) it is no surprise that sp³ hybridised cycloalkyls are increasing in popularity.

The presence of fluorine has also been well documented, particularly in influencing the metabolic stability and physico-chemical properties of compounds. Whilst most studies have focussed on the lowering of pK_a values on the basic nitrogen in heterocyclic, an increased number are looking into fluorinated cycloalkyls as an alternative.



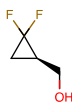
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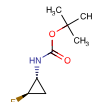
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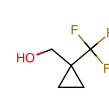
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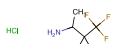
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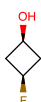
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Catalogue#: AS98706
Formula: C₆H₁₁ClF₃N
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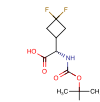
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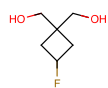
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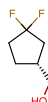
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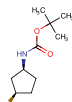
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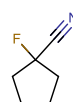
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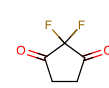
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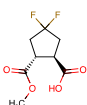
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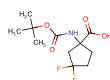
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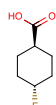
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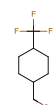
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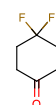
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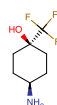
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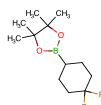
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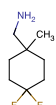
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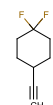
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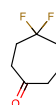
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Catalogue#: AS96285
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C.A.S.: 1202245-66-6
MDL: MFCD30802460

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Catalogue#: AS133581
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C.A.S.: 1227807-93-3
MDL: MFCD22628095

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