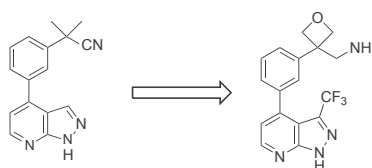


Building Blocks / Pharmaceutical Intermediates / Chemical Reagents

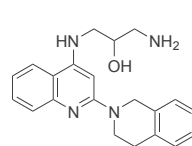
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The four-membered oxetane ring has been increasingly exploited for its contrasting behaviors: its influence on physico-chemical properties as a stable motif in medicinal chemistry and its propensity to undergo ring-opening reactions as a synthetic intermediate^[1]. Examples of the use of oxetanes in medicinal chemistry are reported^[2,3,4,5]. These applications have driven numerous studies into the synthesis of new oxetane derivatives^[1].



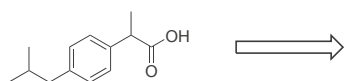
PKC θ Ki = 3 nM
IL-2 IC₅₀ = 2.6 μ M

PKC θ Ki = 6 nM
IL-2 IC₅₀ = 0.19 μ M



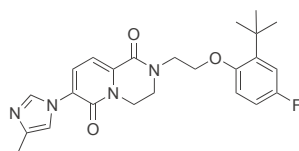
RSV Long IC₅₀/CC₅₀=0.22/21 μ M

RSV Long IC₅₀/CC₅₀=0.002/> 100 μ M

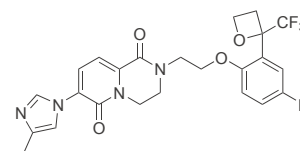
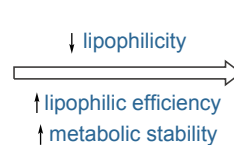


PGE₂/PGD₂ Assay IC₅₀ = 0.6 μ M
LTB₄ Assay IC₅₀ > 100 μ M

PGE₂/PGD₂ Assay IC₅₀ = 34.1 μ M
LTB₄ Assay IC₅₀ = 8.4 μ M



γ -secretase modulator



A series of medicinal products containing oxetane has been firmly incorporated in medical practice.

[1] *Chem. Rev.* **2016**, *116*, 12150-12233.

[2] *ACS Med. Chem. Lett.* **2019**, *10*, 1134-1139.

[3] *J. Med. Chem.* **2018**, *61*, 10228-10241.

[4] *ACS Med. Chem. Lett.* **2017**, *8*, 864-868.

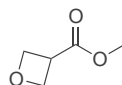
[5] *ChemMedChem* **2017**, *12*, 1574-1577.



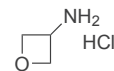
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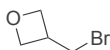
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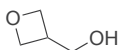
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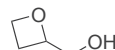
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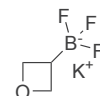
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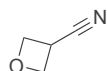
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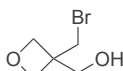
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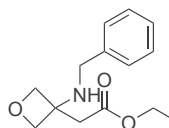
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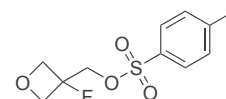
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CAS: 22633-44-9



Cat. No.: HY-77053
CAS: 1207175-55-0



Cat. No.: HY-43597
CAS: 1308644-71-4

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