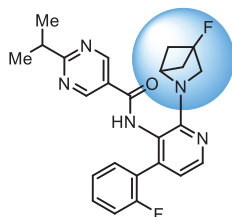


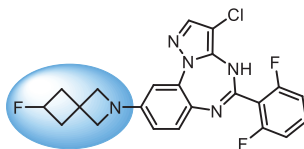
# $\alpha$ -Fluoroamines

## Introduction

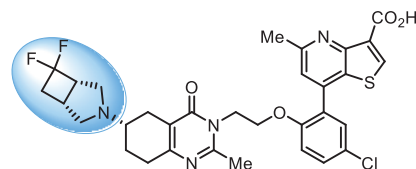
Fluorinated amines are commonly found throughout drug discovery programs,<sup>1-3</sup> although one type of structure has been notably absent: the  $\alpha$ -fluorine atom, which is generally considered unstable and prone to intramolecular elimination.<sup>4</sup> Recently, Enamine chemists have overcome this limitation by preparing several stable  $\alpha$ -fluoroamines. We achieved this by positioning the fluorine atom at a bridgehead location, which resists elimination due to Bredt's rule. These substances are stable as free amines, can be handled routinely, and are capable of undergoing amine-specific reactions. Be among the first to explore these unique substances in your research!



voltage-gated sodium channel modulator  
WO 2023/049367  
Xenon Pharm.

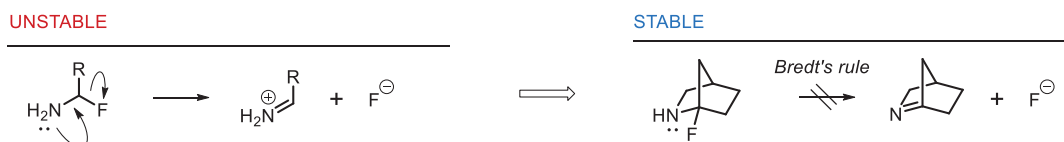


leucine rich repeat kinase 2 inhibitor  
WO 2024/054540  
Neuron23

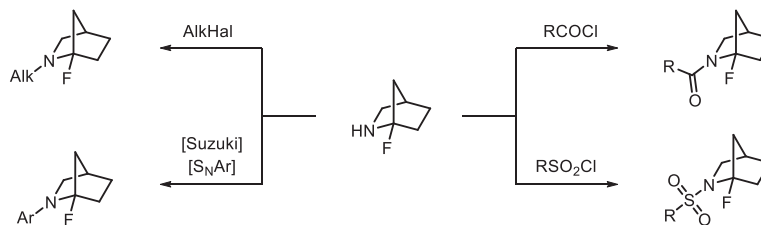


initiation factor 4E inhibitor  
WO 2024/103069  
Ribometrix

## Key Innovation



## Reactions



**We offer:** over 10 stable  $\alpha$ -fluoroamines from stock on gram scale.



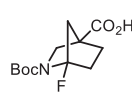
EN300-373605



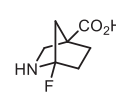
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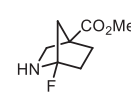
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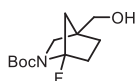
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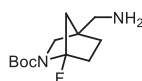
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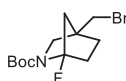
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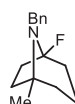
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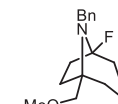
EN300-52116757



EN300-46761967



EN300-46892916



EN300-46900613

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4. F. Leroux et al. *Chem. Rev.* **2005**, *105*, 827.



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