

Building Blocks / Catalysts and Ligands / Material Science / ADC & Protac Linkers

ChemScene can deliver a variety of products, including Building Blocks, Catalysts & Ligands, Material Science, ADC & Protac Linkers, etc. We have **2,100+** chemists and analysts. Our R&D team have already worked closely with pharmaceutical/biotech companies, universities, and research institutions. We currently own **20,000+** ChemScene exclusive building blocks which are structurally novel.

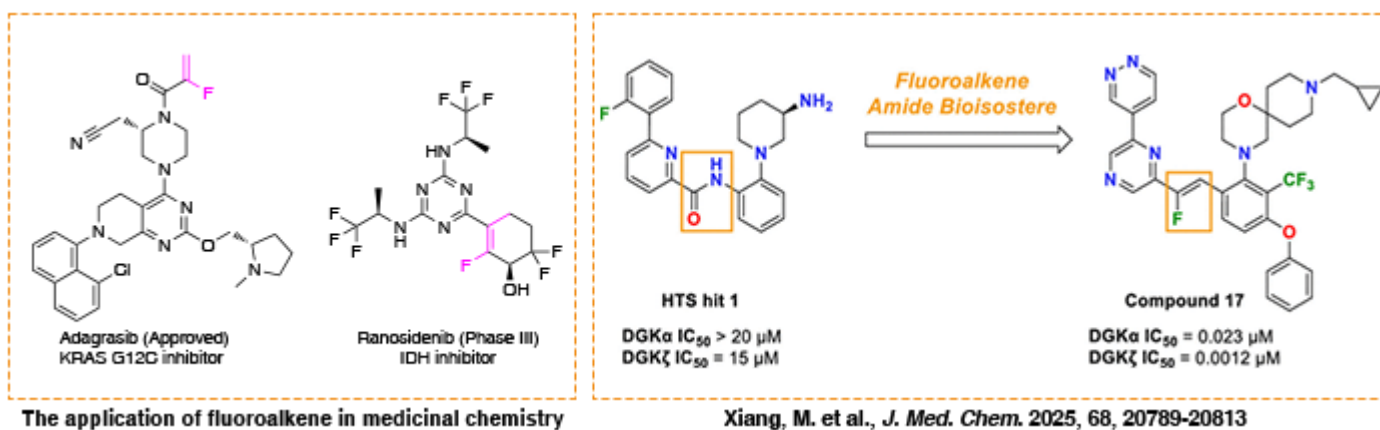
- **80,000+** In global stock, **650,000+** Catalog
- Meet the customized synthesis of compounds from mg to kg

If you have any questions or chemical needs, please feel free to reply to this email.

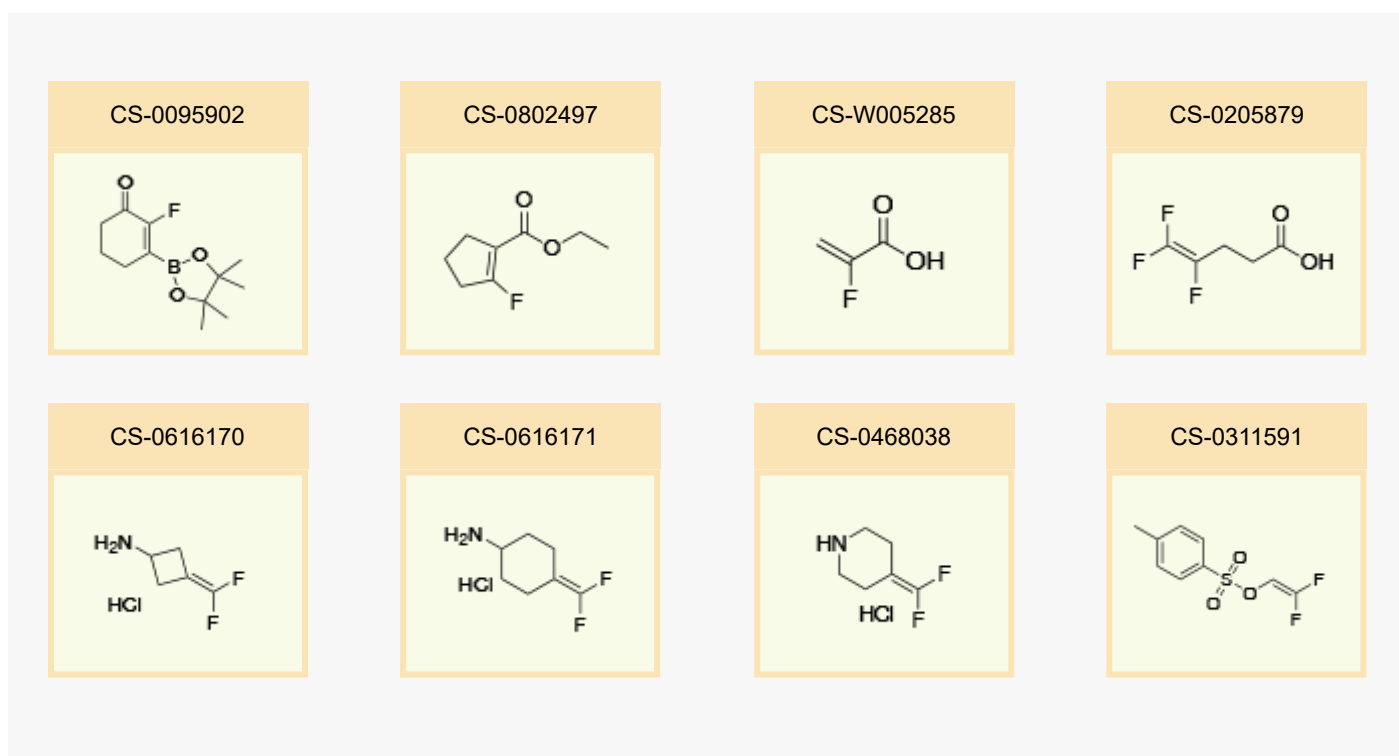
I Introduction

The fluoroalkene, characterized by a fluorine-bearing carbon-carbon double bond, serves as a valuable amide bioisostere in drug design. Its key advantage lies in the close mimicry of an amide bond's geometry and dipole orientation, while its reduced polarity and hydrogen-bonding capacity enhance metabolic stability and cell membrane permeability.

Additionally, the electronegative fluorine atom can act as a hydrogen bond acceptor, enabling specific interactions with biological targets to improve binding affinity. This strategic replacement has been successfully applied in the structure-activity optimization of a wide range of bioactive compounds, effectively improving pharmacokinetic profiles while maintaining potency. So far, Chemscene has developed many fluoroalkene building blocks. For more information, please visit www.chemscene.com or contact us at sales@chemscene.com.



Fluoroalkene building blocks



Brochures of ChemScene



Latest Publications Citing Use of ChemScene Products



Small 2407549, (2025).

Nat Protoc 20, 480-517 (2025).

Nat Commun 15, 10507 (2024).

Nat Commun 15, 7029 (2024).

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