

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

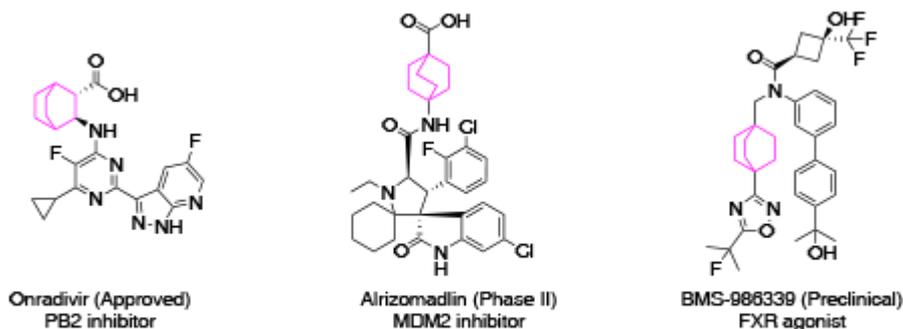
ChemScene can deliver a variety of products, including Building Blocks, Catalysts & Ligands, Material Science, ADC & Protac Linkers, etc. We have **2,100+** chemists and analysts. Our R&D team have already worked closely with pharmaceutical/biotech companies, universities, and research institutions.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

- **95,000+** In global stock, **880,000+** Catalog
- Meet the customized synthesis of compounds from mg to kg

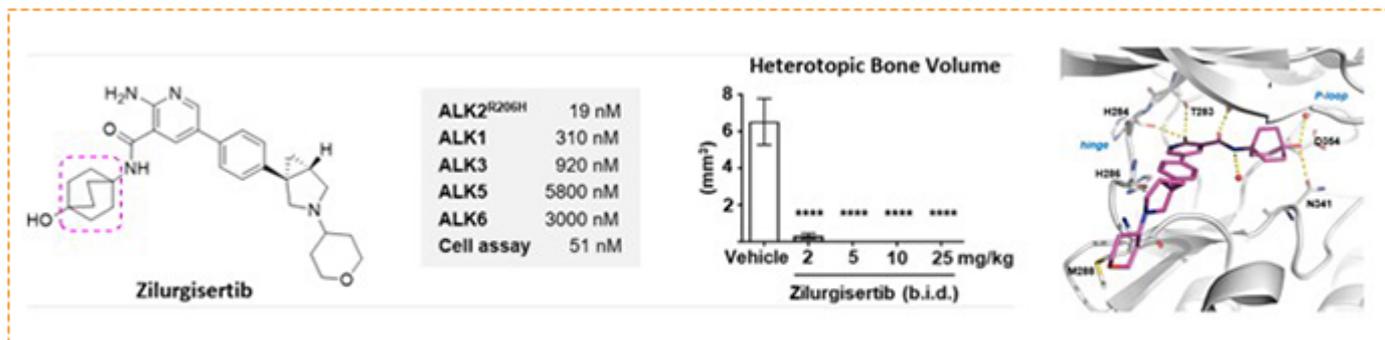
If you have any questions or chemical needs, please feel free to reply to this email.

Introduction

Bicyclo[2.2.2]octane (BCO) is a saturated three-dimensional bridged bicyclic scaffold that has emerged as a promising bioisostere of benzene rings in medicinal chemistry. Its rigid, sp^3 -rich framework provides a compact, cage-like structure. This structurally stable framework delivers multiple desirable advantages in drug discovery: it significantly enhances metabolic stability by avoiding aromatic oxidation pathways, optimizes the balance between lipophilicity and aqueous solubility to improve druggability. Furthermore, it binds to the target without requiring significant conformational changes, thereby enhancing binding affinity and selectivity while reducing off-target risks. These features collectively make BCO a promising scaffold for optimizing ADME profiles and binding properties in lead optimization. So far, Chemscene has developed many BCO building blocks. For more information, please visit www.chemscene.com or contact us at sales@chemscene.com.

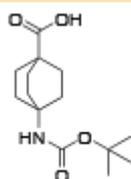


The applications of BCO in medicinal chemistry

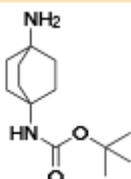


BCO building blocks

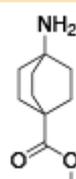
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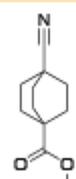
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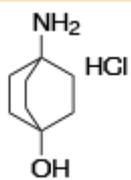
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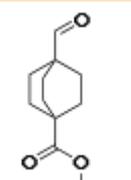
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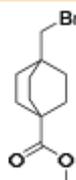
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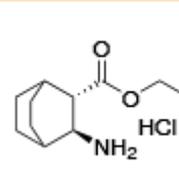
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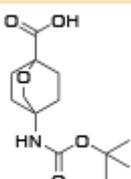
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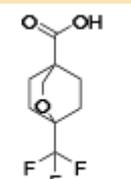
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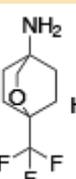
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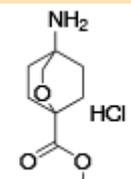
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Brochures of ChemScene



📄 Building Blocks



📄 Chiral Phosphine Ligands



📄 Organic Photoelectric Materials



📄 ADC

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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