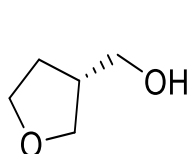
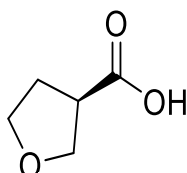


Molecule of the Month

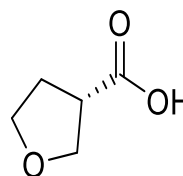
**Chiral 3-substituted THFs**



**A4071**



**A4631**

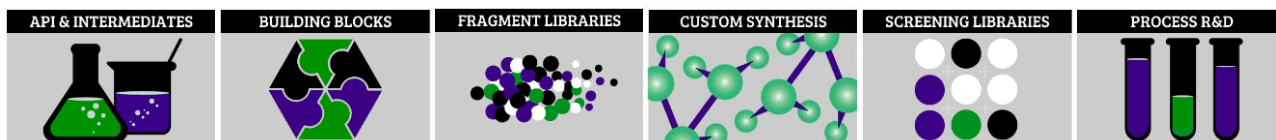


**A4693**

Cyclic ethers have been widely used as **bioisosteres** to replace a peptide's carbonyl oxygen and form hydrogen bonds in the active site similar to a peptide carbonyl. Their rigid structure is also responsible for maintaining the spatial orientation of the pharmacophoric groups and their unique physicochemical properties modulate pharmacokinetic properties, enhance binding affinity, and provide novel chemical scaffolds (Future Med Chem. 2011 Jul; 3(9): 1181–1197).

Our R&D team has developed a straightforward and robust route for the synthesis of chiral 3-substituted tetrahydrofurans. Multi-gram scale synthesis and synthesis of derivatives on-demand is also available.

Should you require analogues of these molecules to support your research activities do not hesitate to get in touch with us. Alternatively, if you would like to explore our complete range of products and services or require any further information regarding LCC, please use the enquiry button at the top of our webpage to get in touch.



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