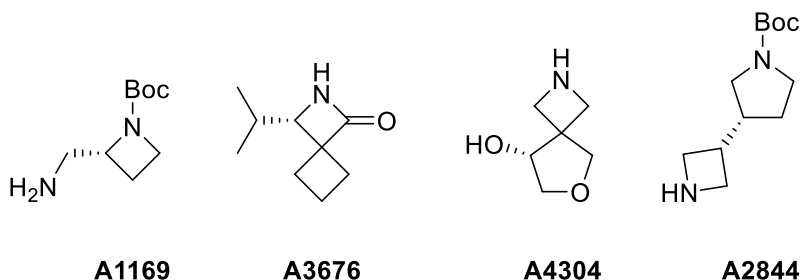


Molecule of the Month

Chiral azetidine-based scaffolds



Azetidine derivatives are an attractive class of compounds which are gaining increasing attention in drug discovery. The four-membered ring scaffold represent a good compromise between a satisfactory stability and a strong molecular rigidity, allowing molecules bearing this moiety to have an efficient tuning of pharmacological properties (*Chem. Rev.*, **2008**, 108, 3988). Moreover, azetidine analogues have been reported to have highest metabolic stability compared to their larger ring counterparts due to their reduced lipophilicity (*J. Med. Chem.*, **2012**, 6002)

Liverpool ChiroChem has developed the synthesis of highly functionalized azetidine-based scaffolds, which can be used to introduce structural diversity in fragment libraries and drug candidates. Fluorinated analogues are also available on request.

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.

