

SpiroChem medicinal chemists are committed to saving you time: They specially designed **SpiroKits** to investigate potential solutions to likely MedChem challenges, which boost structural diversity to support your SAR exploration and generation of new intellectual property.

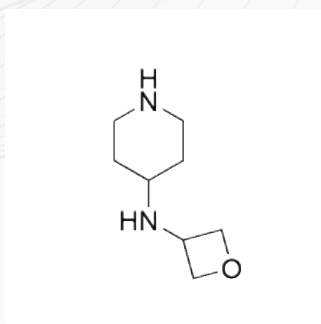
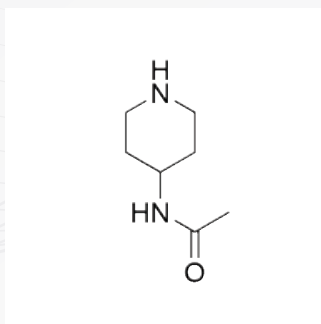
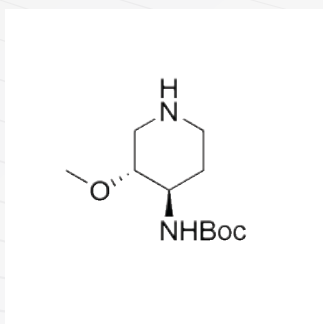
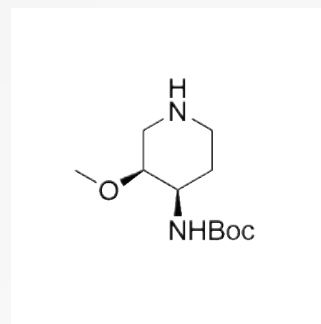
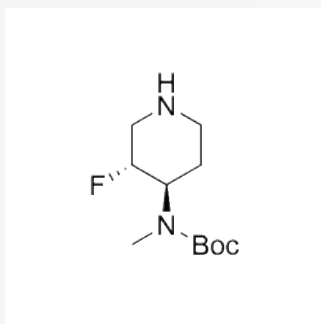
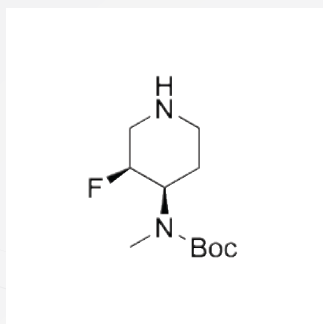
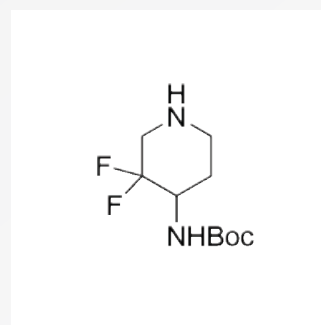
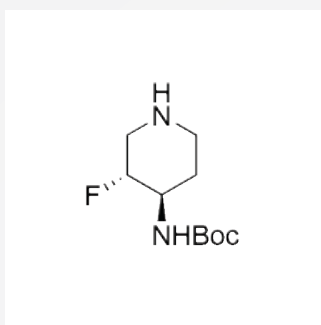
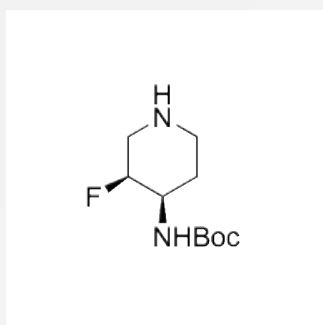
SpiroKit 1: pKa-Tuned Amines

Strong basic centres are likely to be substantively ionized at physiological pH, which reduces log D_{7.4} and can reduce both passive diffusion across membranes and oral absorption. Moreover, strongly basic molecules often engender hERG toxicity risks and high P-gp efflux, plus significant binding to α -acid glycoprotein in plasma and phospholipid membranes which together reduce free drug concentrations.

To aid creativity in mitigating these issues and save time in your research programs, SpiroChem designed the pKa-tuned Amines SpiroKit (made of 9 subsets). These SpiroKits can also be used concomitantly to modulate and fine-tune the lipophilicity of the analogues.



SpiroKit 1f: 4-Amino-Piperidine Derivatives



SpiroChem, the future of medicinal chemistry, today.