

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 4 : Azaspiro[3.3]heptane derivatives

Azaspiro[3,3]heptane derivatives are viable and promising surrogates for the piperidine, piperazine, morpholine and thiomorpholine rings, commonly used building blocks in medicinal chemistry.

The incorporation of four-membered heterocycles into druglike scaffolds provides an opportunity to uniquely tune the physicochemical and biochemical properties of the parent compound. Moreover, these structures allow the exploration of novel chemical space.

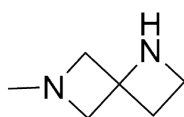


### SpiroKit 4c: Piperazine isosters

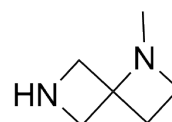
A selection of 6 diazaspiro[3.3]heptane derivatives as piperazine surrogates.



SPK 164  
(di HCl salt)



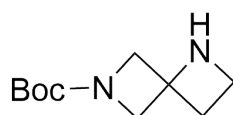
SPK 165  
(oxalate salt)



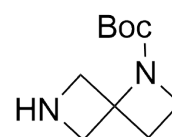
SPK 166  
(di HCl salt)



SPK 167  
(hemioxalate salt)



SPK 168  
(hemioxalate salt)



SPK 169  
(hemioxalate salt)

**SpiroChem, the future of medicinal chemistry, today.**

If you have any question, we are here to help. Be in touch at [contact@spirochem.com](mailto:contact@spirochem.com)