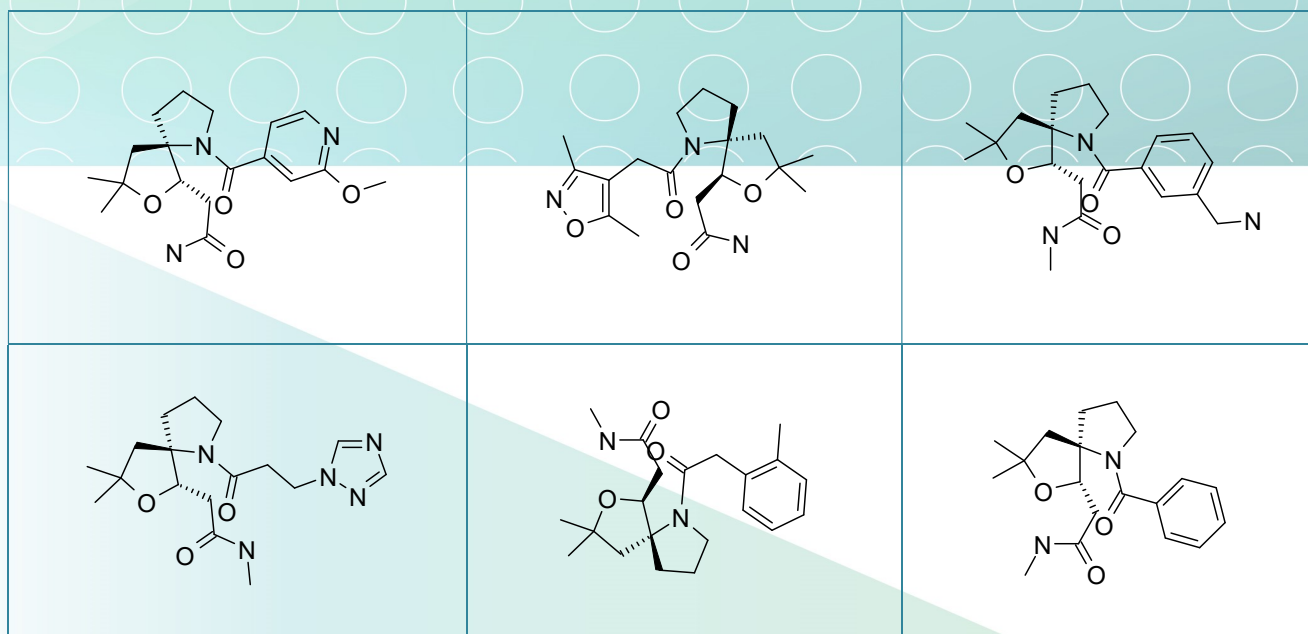


SL-59. OxoSpiroPyrrolidines-1

Spiro scaffolds have been increasingly utilized in drug discovery owing to their inherent three-dimensionality and structural novelty [1].

Asinex has developed a versatile synthetic approach to skeletally diverse novel spiro scaffolds that are based on a rare combination of O- and N-containing cycles with additional synthetic handles. This allows the introduction of various peripheral fragments which, in turn, create derivatives with a very attractive physico-chemical profile.

The calculated parameters (e.g. CNS-MPO score [2]) suggest that this library is useful for CNS-directed research. Additional opportunities may arise in the fields of ion-channels, GPCRs, and protein-protein interactions where the spiro-scaffolds' three-dimensionality is favored by a target protein or receptor structure.



Signature Library 59

Formats	Supplementary Information
80 compounds per plate 0.1 mg; 1 mg; 2 mg dry film/powder 0.1 µmol; 1 µmol DMSO solutions	SL#59_OxoSpiroPyrrolidine-1.sdf

References:

1. *Bioorg Med Chem Lett*. 2014 Aug 15;24(16):3673-82. doi: 10.1016/j.bmcl.2014.06.081.
2. *ACS Chem Neurosci*. 2010 Jun 16; 1(6): 435-449. doi: 10.1021/cn100008c

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