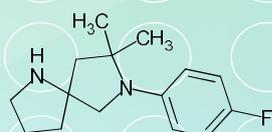


SL-96. N-Phenylpiperazine Analogs

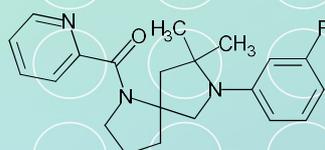
N-phenylpiperazine is one of the most commonly occurring pharmacophores found in many pharmacologically relevant compounds [1]. This is a privileged scaffold in many CNS drugs and clinical candidates [2]. Isosteric replacement of N-phenylpiperazine by other sterically constrained cyclic systems is a popular strategy in medicinal chemistry to

improve pharmacokinetic and pharmacodynamic properties [3].

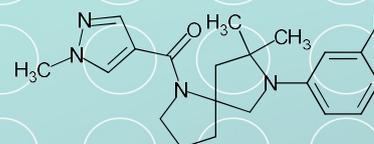
Several molecules containing 7-phenyl-1,7-diazaspiro[4.4]nonane core – a bioisostere analogue of N-phenylpiperazine, were included into this library.



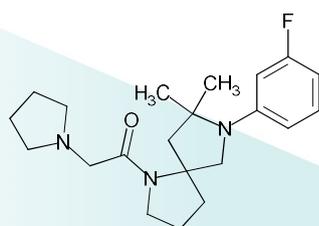
LAS 73566765



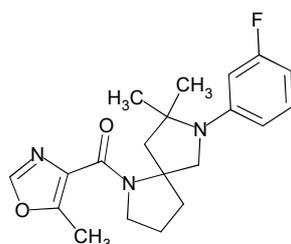
LAS 73566769



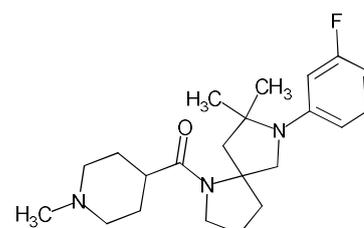
LAS 73566891



LAS 73590871



LAS 73590944



LAS 74262994

Signature Library 96

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#96_Phe_Piperazine_bioisostere.sdf

References:

1. *Expert Opin Ther Pat.* 2012 Oct;22(10):1169-78. Epub 2012 Sep 7.
2. *Expert Opin Ther Pat.* 2016 Jul;26(7):777-97. doi: 10.1080/13543776.2016.1189902
3. *Curr Opin Drug Discov Devel.* 2009 Sep;12(5):628-43

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