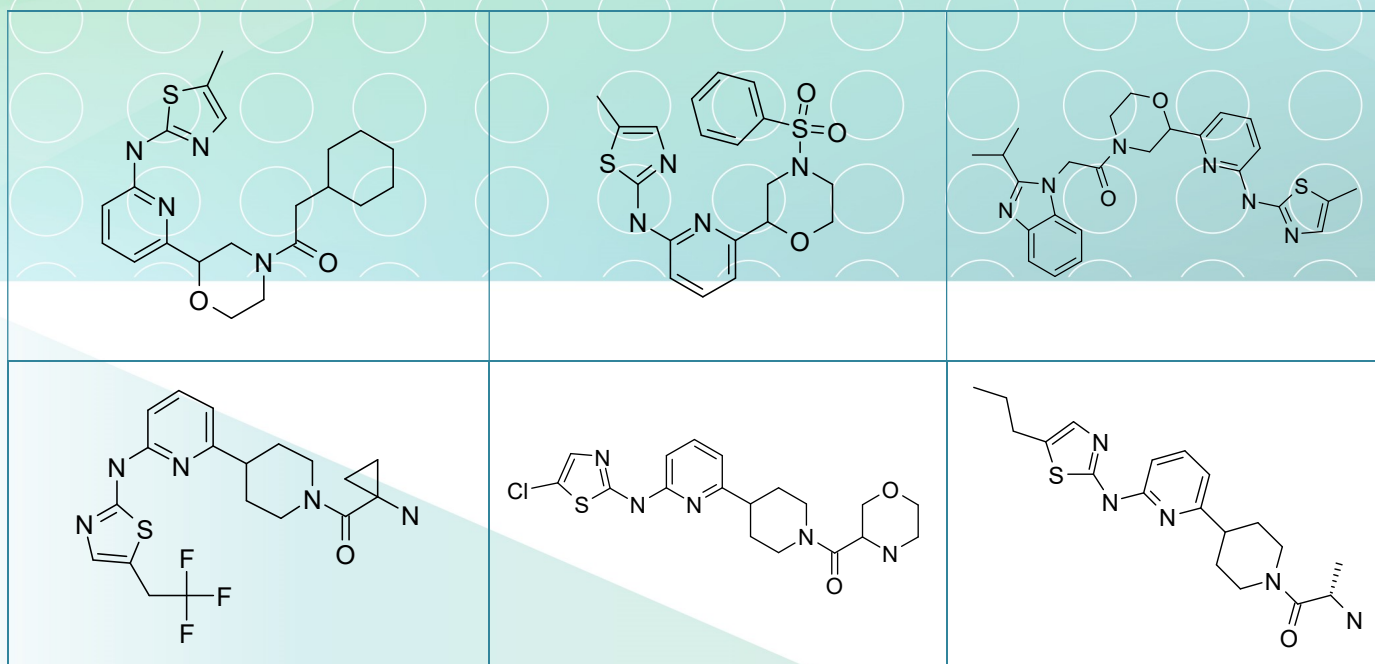


SL-15. Ser-Thr Kinases

Approximately 125 of 500 human protein kinases are serine/threonine kinases (STK). STK's play an important role in signal transduction pathways in both eukaryotic and prokaryotic cells as they regulate cell proliferation, programmed cell death (apoptosis), cell differentiation, and

embryonic development. Many STK's are validated targets in anti-cancer, anti-inflammatory, and immuno-therapy.

Using a proprietary computational algorithm [1,2], ASINEX has designed molecules that *in vitro* target a number of STK's including Aurora A, Aurora B, Haspin, and B-Raf.



Signature Library 15

Formats	Supplementary Information
80 compounds per plate 0.1 mg; 1 mg; 2 mg dry film/powder 0.1 μ mol; 1 μ mol DMSO solutions	Aurora A inh, IC ₅₀ SL#15_ST_Kinase_05-16.sd

References:

1. *Chem Biol Drug Des.* 2016 Jan 30. doi: 10.1111/cbdd.12733
2. *Pharmaceuticals (Basel).* 2016 Apr 13;9(2). pii: E19. doi: 10.3390/ph9020019

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