SL-92. $Na_v1.7$ Antagonists

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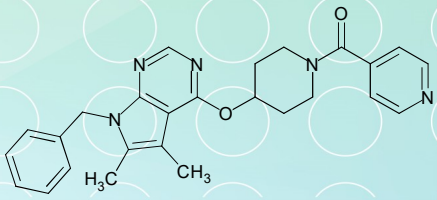
$Na_v1.7$ is a sodium ion channel which plays an important role in pain perception. Small molecule antagonists are proposed as promising drugs for managing pain and other neurological disorders. Development of potent and selective antagonists of the voltage-gated sodium channel $Na_v1.7$ represent a significant challenge due to the lack isoform selectivity, which limits therapeutic utility [1].

A recent study reported a series of pyrrolopyrimidine derivatives as highly potent and state-dependent inhibitors of $Na_v1.7$ [2]. Analogs of the reported chemotypes were included into this library.



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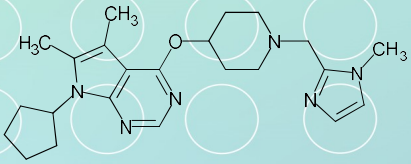

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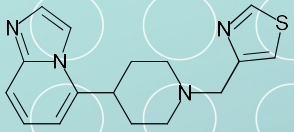

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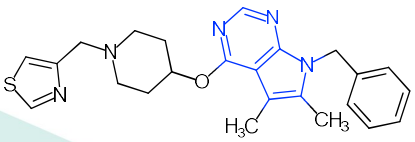

Pyrrolopyrimidine hit [2]

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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#92_Nav17antagonist.sdf

References:

1. *Science*. 2015 Dec 18;350(6267):aac5464. doi: 10.1126/science.aac5464
2. *Bioorg Med Chem Lett.* 2012 Mar 1;22(5):2052-62. doi: 10.1016/j.bmcl.2012.01.015

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