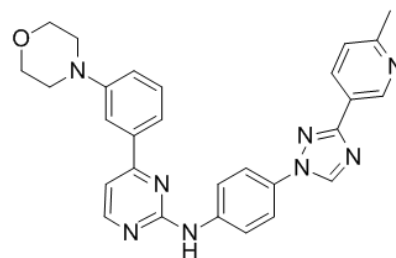


**Product Name** : SR-3306  
**Cat. No.** : PC-43238  
**CAS No.** : 1128096-91-2  
**Molecular Formula** : C<sub>28</sub>H<sub>26</sub>N<sub>8</sub>O  
**Molecular Weight** : 490.5591  
**Target** : JNK  
**Solubility** : 10 mM in DMSO



## Biological Activity

SR-3306 (SR3306) is a highly selective, brain penetrant, potent inhibitor of **JNK** with IC<sub>50</sub> of 67, 283 and 159 nM for JNK1, JNK2 and JNK3, >100-fold selectivity over p38.

SR-3306 shows cell-based IC<sub>50</sub> of 216 nM, protects dopaminergic neurons against MPTP neurotoxicity in vitro and in vivo, achieves dopaminergic neuronal survival in the 6-OHDA model.

SR-3306 also prevents ROS increases and mitochondrial dysfunction.

## References

Crocker CE, et al. *ACS Chem Neurosci*. 2011 Apr 20;2(4):207-212.

Chambers JW, et al. *J Biol Chem*. 2013 Feb 8;288(6):4000-11.

Gao S, et al. *Sci Rep*. 2017 Feb 6;7:41795.

Chambers JW, et al. *ACS Chem Neurosci*. 2011 Apr 20;2(4):198-206.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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