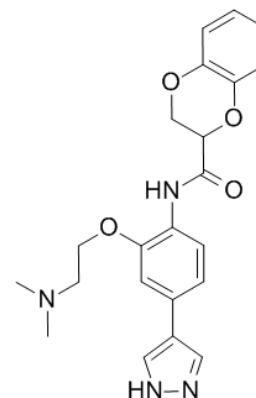


**Product Name** : SR-3677  
**Cat. No.** : PC-43479  
**CAS No.** : 1072959-67-1  
**Molecular Formula** : C<sub>22</sub>H<sub>24</sub>N<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 408.45  
**Target** : ROCK  
**Solubility** : DMSO: ≥ 43 mg/mL



## Biological Activity

SR-3677 is a potent and selective **ROCK-II** inhibitor with biochemical IC<sub>50</sub> of 3 nM, inhibits **myosin** light chain bisphosphorylation (ppMLC) with IC<sub>50</sub> of 3.5 nM in cell-based assays.

SR-3677 weakly inhibits ROCK-I with IC<sub>50</sub> of 56 nM, exhibits an off-target hit rate of 1.4% against 353 kinases.

SR-3677 is efficacious in both, increasing ex vivo aqueous humor outflow in porcine eyes and inhibiting myosin light chain phosphorylation.

## References

Feng Y, et al. *J Med Chem*. 2008 Nov 13;51(21):6642-5.

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

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