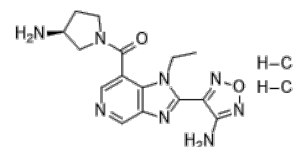


**Product Name** : SB-772077B dihydrochloride  
**Cat. No.** : PC-22185  
**CAS No.** : 607373-46-6  
**Molecular Formula** : C<sub>15</sub>H<sub>20</sub>Cl<sub>2</sub>N<sub>8</sub>O<sub>2</sub>  
**Molecular Weight** : 415.28  
**Target** : ROCK  
**Solubility** : 10 mM in DMSO



## Biological Activity

SB-772077B dihydrochloride (SB772077B, SB77) is a potent, selective Rho kinase (**ROCK**) inhibitor with IC<sub>50</sub> of 5.6 nM and 6.0 nM for ROCK1 and ROCK2, respectively.

SB772077B blocks the generation of inflammatory cytokines, such as IL-6 and TNF-alpha.

SB772077B induces vasorelaxation in precontracted rat aorta with IC<sub>50</sub> of 39 nM; produces a profound dose-dependent reduction of systemic blood pressure in spontaneously hypertensive rats.

## References

Doe C, et al. *J Pharmacol Exp Ther*. 2007 Jan;320(1):89-98.

Ashwinbalaji S, et al. *Sci Rep*. 2018 Oct 19;8(1):15472.

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

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