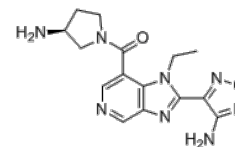


Product Name : SB-772077B
Cat. No. : PC-35737
CAS No. : 785774-34-7
Molecular Formula : C₁₅H₁₈N₈O₂
Molecular Weight : 342.363
Target : ROCK
Solubility : 10 mM in DMSO



Biological Activity

SB-772077B (SB772077B, SB77) is a potent, selective Rho kinase (**ROCK**) inhibitor with IC₅₀ 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 IC₅₀ 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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