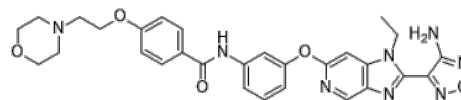


Product Name : GSK269962A
Cat. No. : PC-24391
CAS No. : 850664-21-0
Molecular Formula : C₂₉H₃₀N₈O₅
Molecular Weight : 570.61
Target : ROCK
Solubility : 10 mM in DMSO



Biological Activity

GSK269962A is a potent, selective Rho kinase (ROCK) inhibitor with IC₅₀ of 1.6 nM (recombinant human ROCK1), 30-fold selectivity against a panel of serine/threonine kinases.

GSK269962 blocked the generation of inflammatory cytokines, such as interleukin-6 and tumor necrosis factor- α in lipopolysaccharide-stimulated monocytes.

GSK269962A induced vasorelaxation in precontracted rat aorta with an IC₅₀ of 39 and 35 nM, respectively.

GSK269962 produced a profound dose-dependent reduction of systemic blood pressure in spontaneously hypertensive rats, induced a reduction in blood pressure of approximately 10, 20, and 50 mm Hg at 1, 3, and 30 mg/kg.

References

Smith GK, et al. J Pharmacol Exp Ther. 2007 Jan;320(1):89-98.

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

E-mail: tech@probechem.com