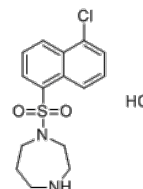


Product Name : ML-9
Cat. No. : PC-62887
CAS No. : 105637-50-1
Molecular Formula : C₁₅H₁₈Cl₂N₂O₂S
Molecular Weight : 361.281
Target : Myosin
Solubility : 10 mM in DMSO



Biological Activity

ML-9 is a potent, ATP-competitive myosin light chain kinase (**MLCK**) inhibitor with K_i of 3.8 μ M, inhibits Store-operated Ca²⁺ entry (SOCE) in a variety of cell lines.

ML-9 also inhibits PKA and PKC with K_i of 32 μ M and 54 μ M.

ML-9 inhibits STIM1-plasma membrane interactions and inhibits **TRPC6** channels via a mechanism independent of inhibition of MLCK activity.

References

Shi J, et al. Br J Pharmacol. 2007 Sep;152(1):122-31.

Várnai P, et al. Trends Pharmacol Sci. 2009 Mar;30(3):118-28.

Ito S, et al. Eur J Pharmacol. 2004 Feb 23;486(3):325-33.

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

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