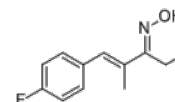


Product Name : A-967079
Cat. No. : PC-70051
CAS No. : 1170613-55-4
Molecular Formula : C₁₂H₁₄FNO
Molecular Weight : 207.24
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

A-967079 (A 967079) is a potent, selective **TRPA1** channel blocker with IC₅₀ of 51 nM and 101 nM for hTRPA1 and rTRPA1, respectively.

A-967079 displays >1,000-fold selective over other TRP channels, and is >150-fold selective over 75 other ion channels, enzymes, and G-protein-coupled receptors.

A-967079 exhibits analgesic efficacy in allyl isothiocyanate-induced nocifensive response and osteoarthritic pain in rats (ED₅₀=23.2 mg/kg), attenuates cold allodynia produced by nerve injury but does not alter noxious cold sensation in naive animals.

A-967079 is orally bioavailable.

References

Chen J, et al. *Pain*. 2011 May;152(5):1165-72.

McGaraughty S, et al. *Mol Pain*. 2010 Mar 5;6:14.

Trevisan G, et al. *Brain*. 2016 May;139(Pt 5):1361-77.

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

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