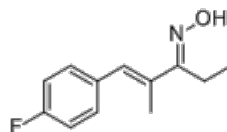


Product Name : A-967079
Synonyms : A967079;A 967079
Cat No. : M10572
CAS Number : 1170613-55-4
Molecular Formula : C₁₂H₁₄FNO
Formula Weight : 207.24
Chemical Name : (1E,3E)-1-(4-fluorophenyl)-2-methylpent-1-en-3-one oxime



Description : A potent, selective TRPA1 channel blocker with IC₅₀ of 51 nM and 101 nM for hTRPA1 and rTRPA1, respectively; 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; 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; orally bioavailable. Pain Preclinical

Pathway : Membrane Transporter/Ion Channel
Target : TRP/TRPV Channel
Receptor : TRP/TRPV Channel
Solubility : DMS : 100 mg/mL 482.53 mM; H₂O : < 0.1 mg/mL
SMILES : CCC/C(C)=C/C1=CC=C(F)C=C1=N/O
Storage : (-20°C)
Stability : ≥ 2 years
Reference :

1. Chen J, et al. Pain. 2011 May;152(5):1165-72. | 2. McGaraughty S, et al. Mol Pain. 2010 Mar 5;6:14. | 3. Trevisan G, et al. Brain. 2016 May;139(Pt 5):1361-77.