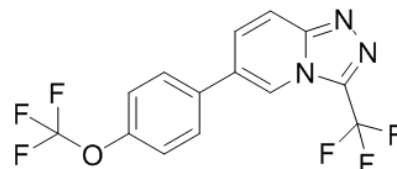


Product Name : GS967
Cat. No. : PC-43116
CAS No. : 1262618-39-2
Molecular Formula : C₁₄H₇F₆N₃O
Molecular Weight : 347.2153
Target : Sodium Channel
Solubility : 10 mM in DMSO



Biological Activity

GS-458967 (GS967) is a potent, selective inhibitor of cardiac late sodium current (late I_{Na}, **Nav1.5**), inhibits TX-II-induced late I_{Na} in ventricular myocytes and isolated hearts with IC₅₀ of 0.13 and 0.21 μM, respectively.

GS967 displays >76-fold selectivity over inhibition of I_{Kr} (IC₅₀>10 μM).

GS967 prevents and reverses proarrhythmic effects of the late I(Na) enhancer ATX-II and the I(Kr) inhibitor E-4031 in isolated ventricular myocytes and hearts.

GS967 significantly attenuates the proarrhythmic effects of methoxamine+clofilium and suppresses ischemia-induced arrhythmias in vivo.

References

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

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