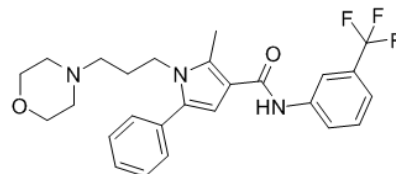


Product Name : HC-067047
Cat. No. : PC-42084
CAS No. : 883031-03-6
Molecular Formula : C₂₆H₂₈F₃N₃O₂
Molecular Weight : 471.5146
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

HC-067047 (HC067047) is a potent and selective **TRPV4** antagonist with IC₅₀ of 48 nM, 133 nM, and 17 nM for human, rat, and mouse TRPV4 in cell assays, respectively.

HC067047 displays high selectivity against a variety of ion-channel targets, including representative channels of the TRPV, TRPC, TRPA, and TRPMs.

HC067047 inhibits endogenous TRPV4-mediated response to 4 α -PDH with IC₅₀ of 22 nM.

HC067047 increases functional bladder capacity and reduces micturition frequency in WT mice and rats with cystitis without effects on bladder function.

References

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Jin M, et al. *Cell Calcium*. 2012 Feb;51(2):131-9.

Shahidullah M, et al. *Am J Physiol Cell Physiol*. 2012 Jun 15;302(12):C1751-61.

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

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