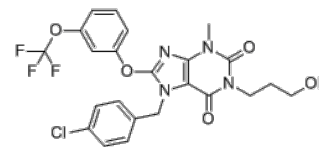


Product Name : Pico145
Cat. No. : PC-60846
CAS No. : 1628287-16-0
Molecular Formula : C₂₃H₂₀ClF₃N₄O₅
Molecular Weight : 524.881
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

Pico145 (HC-608) is a highly potent, subtype-selective **TRPC1/4/5** channels inhibitor with potency ranged from 9 to 1300 pM, depending on the TRPC1/4/5 subtype and activation mechanism.

Pico145 shows no effect on TRPC3, TRPC6, TRPV1, TRPV4, TRPA1, TRPM2, TRPM8, and store-operated Ca²⁺ entry mediated by Orai1.

Pico145 prevents Ca²⁺ entry through TRPC5-TRPC1 and TRPC4-TRPC1 with IC₅₀ of 0.199 and 0.033 nM, respectively.

Pico145 inhibits S1P-activated TRPC4 channels at -100 and +100 mV with IC₅₀ of 0.012 and 0.03 nM, respectively.

Pico145 strongly inhibits Icat and EA-induced cytotoxicity in synovial sarcoma cells.

References

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Rubaiy HN, et al. *Channels (Austin)*. 2017 Sep 3;11(5):362-364.

Muraki K, et al. *Sci Rep*. 2017 Dec 5;7(1):16988.

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

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