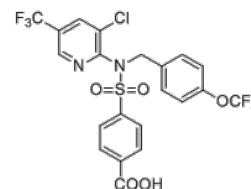


Product Name : RQ-00203078
Cat. No. : PC-60787
CAS No. : 1254205-52-1
Molecular Formula : C₂₁H₁₃ClF₆N₂O₅S
Molecular Weight : 554.844
Target : TRP Channel
Solubility :



Biological Activity

A potent, selective and orally available TRPM8 channel inhibitor with IC₅₀ of 8.3 nM (hTRPM8); inhibits rTRPM8 with IC₅₀ of 5.8 nM; displays no significant activities against TRPA1, TRPV4 and TRPV1 (IC₅₀ > 3 μM); demonstrates excellent in vivo activity in a dose dependent manner with an ED₅₀ value of 0.65 mg/kg in the icilin-induced wet-dog shakes model in rats; also reduces the invasion potential of oral squamous carcinoma cell lines.

References

- Okamoto Y, et al. Int J Oncol. 2012 May;40(5):1431-40.
Ohmi M, et al. Bioorg Med Chem Lett. 2014 Dec 1;24(23):5364-8.

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

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