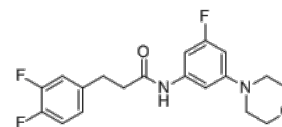


Product Name : GPR183 antagonist SAE-14
Cat. No. : PC-72117
CAS No. : 1241280-25-0
Molecular Formula : C₁₉H₁₉F₃N₂O₂
Molecular Weight : 364.368
Target : GPR183 (EBI2)
Solubility : 10 mM in DMSO



Biological Activity

GPR183 antagonist SAE-14 is a potent, selective **GPR183** antagonist with IC₅₀ of 28.5 nM, inhibits GPR183-dependent 7 α ,25-dihydroxycholesterol-induced calcium signaling in HL-60 cells.

GPR183 antagonist SAE-14 inhibits calcium mobilization induced by 7 α ,25-OHC (EC₅₀ 209 nM).

GPR183 antagonist SAE-14 reversed CCI-induced mechanical allodynia in a time-dependent manner when administered in vivo to mice.

7 α ,25-dihydroxycholesterol induced allodynia in mice, SAE-14 blocked the effects of 7 α ,25-OHC in a dose-dependent manner.

References

Kathryn Braden, et al. *J Pharmacol Exp Ther.* 2020 Nov;375(2):367-375.

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

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