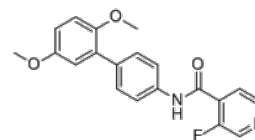


Product Name : Synta66
Cat. No. : PC-60224
CAS No. : 835904-51-3
Molecular Formula : C₂₀H₁₇FN₂O₃
Molecular Weight : 352.37
Target : CRAC Channel
Solubility : 10 mM in DMSO



Biological Activity

Synta66 (GSK1349571A) is a potent, selective CRAC channel **Orai1** blocker with IC₅₀ of 3 uM.

Synta66 does not impair other plasma membrane ion transporters; inhibits antigen-evoked Ca²⁺ influx in Fura-2-loaded cells at 10 uM, prevents the increase in Syk activity triggered by Ca²⁺ entry.

Synta66 reduces FcεRI-dependent Ca(2+) influx and the release of histamine, leukotriene C₄, and cytokines (IL-5/-8/-13 and TNFα) by up to 50% at 3 uM in HLMCs.

References

Ng SW, et al. *J Biol Chem*. 2008 Nov 14;283(46):31348-55.

Ashmole I, et al. *J Allergy Clin Immunol*. 2012 Jun;129(6):1628-35.e2.

Nurbaeva MK, et al. *Sci Rep*. 2015 Oct 30;5:15803.

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

E-mail: tech@probechem.com