

Synta66

Catalog No: tcsc0034949



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg



Specifications

CAS No:

835904-51-3

Formula:

$C_{20}H_{17}FN_2O_3$

Pathway:

Membrane Transporter/Ion Channel

Target:

CRAC Channel

Purity / Grade:

>98%

Solubility:

DMSO : 77.5 mg/mL (219.95 mM; Need ultrasonic); H2O :

Observed Molecular Weight:

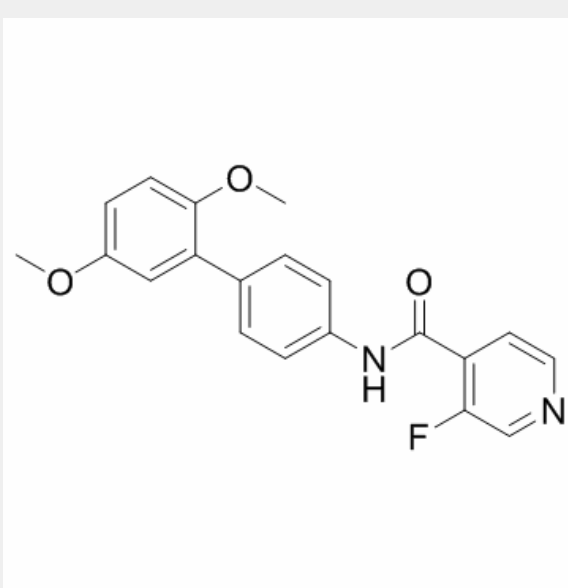
352.36

Product Description

Synta66 is an inhibitor of store-operated calcium entry channel **Orai**, which forms the pore of the **CRAC** channel, and used for the research of neurological disease.

IC50 & Target: Orai^[1]

In Vitro: Synta66 is an inhibitor of Orai, which forms the pore of the CRAC channel. Synta66 (10 μ M) attenuates peak SOCE in Müller glia. Synta66 (10 μ M) prevents orai channels mediating the residual SOC current in *Trpc1*^{-/-} Müller cells^[1]. Synta66 (10 μ M) nearly completely blocks the Ca²⁺ entry signal evoked by CaCl₂ addition, whereas it moderately reduces Ca²⁺ mobilization from stores with 10% to 30% in platelet. Synta66 (10 μ M) suppresses human platelet activation in plasma and whole-blood thrombus formation. Synta66 (10 μ M) also inhibits murine platelet responses and thrombus formation^[2]. Synta66 (10 μ M) inhibits LAD2 human mast cell line. Synta66 (10 μ M) significantly inhibits Fc ϵ RI stimulated histamine and TNF α secretion, and has differential effects on Fc ϵ RI stimulated prostaglandin D2 and cytokine release in human lung mast cells (HLMCs)^[3].



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