Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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.

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IC50 & Target: Orai[1]

In Vitro: Synta66 is an inhibitor of Orai, which forms the pore of the CRAC channel. Synta66 (10 μM) attenuates peak SOCE in Müller glia. Synta66 (10 μM) prevents orai channels mediating the residual SOC current in Trpc1$^{-/-}$ Müller cells[1]. Synta66 (10 μM) nearly completely blocks the Ca^{2+} entry signal evoked by $CaCl_2$ addition, whereas it moderately reduces Ca^{2+} mobilization from stores with 10% to 30% in platelet. Synta66 (10 μM) suppresses human platelet activation in plasma and whole-blood thrombus formation. Synta66 (10 μM) also inhibits murine platelet responses and thrombus formation[2]. Synta66 (10 μM) inhibits LAD2 human mast cell line. Synta66 (10 μM) significantly inhibits FcεRI stimulated histamine and TNFα secretion, and has differential effects on FcεRI stimulated prostaglandin D2 and cytokine release in human lung mast cells (HLMCs)[3].