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

Pyr6

Catalog No: tcsc3626

Available Sizes

Size: 5mg

Size: 10mg

Specifications

CAS No:
245747-08-4

Formula:
$C_{17}H_9F_7N_4O$

Pathway:
Membrane Transporter/Ion Channel

Target:
TRP Channel

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 100 mg/mL (239.08 mM)

Alternative Names:
N-[4-[3,5-Bis(trifluoromethyl)-1H-pyrazol-1-yl]phenyl]-3-fluoro-4-pyridinecarboxamide

Observed Molecular Weight:
418.27

Product Description

Pyr6 is a selective inhibitor of TRPC3 with IC50 of 0.49 uM(Ca2+ influx inhibition in thapsigargin depleted native RBL-2H3 cells).

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IC50 value: 0.49 uM [1]

Target: TRPC3 inhibitor

Pyr6 is a selective SOCE inhibitor (Yonetoku et al., 2008; Sweeney et al., 2009), Pyr6 displayed 37-fold (1.58 OM) higher potency for RBL SOCE than for TRPC3 ROCE, with an IC50 comparable to that of Pyr2 and Pyr3. Pyr6 at 3 uM diminished TRPC3 currents to only 52%. Consistent with inhibition of Orai channel activity Pyr2, Pyr3 or Pyr6 substantially inhibited typical Orai downstream signalling events in RBL mast cells (NFAT activation and degranulation) activated by passive store depletion.