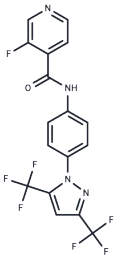
# Data Sheet (Cat.No.T16688)

TargetMol

Pyr6

## Chemical Properties



CAS No. : 245747-08-4

Formula: C17H9F7N4O

Molecular Weight: 418.27

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

## Biological Description

| | |
|---|---|
| Description | Pyr6 (N-[4-[3,5-Bis(trifluoromethyl)-1H-pyrazol-1-yl]phenyl]-3-fluoro-4-pyridinecarboxamide) is a selective TRPC3 inhibitor with IC50 of 0.49 uM(Ca2+ influx inhibition in thapsigargin depleted native RBL-2H3 cells).Pyr6 is an inhibitor of Ca2+ entry, which displays higher potency to inhibit Ca2+ entry mediated by CRAC channel than by TRPC3. |
| Targets(IC50) | TRP/TRPV Channel |
| In vitro | Pyr3 is selective inhibitor of TRPC3, inhibited Orai1- and TRPC3-mediated Ca(2+) entry and currents as well as mast cell activation with similar potency.?By contrast, Pyr6 exhibited a 37-fold higher potency to inhibit Orai1-mediated Ca(2+) entry as compared with TRPC3-mediated Ca(2+) entry and potently suppressed mast cell activation. |

## Solubility Information

| | |
|---|---|
| Solubility | DMSO: 95 mg/mL (227.13 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.3908 mL | 11.954 mL | 23.908 mL |
| 5 mM | 0.4782 mL | 2.3908 mL | 4.7816 mL |
| 10 mM | 0.2391 mL | 1.1954 mL | 2.3908 mL |
| 50 mM | 0.0478 mL | 0.2391 mL | 0.4782 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Schleifer H, et al. Novel pyrazole compounds for pharmacological discrimination between receptor-operated and store-operated Ca(2+) entry pathways. Br J Pharmacol. 2012 Dec;167(8):1712-22.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481