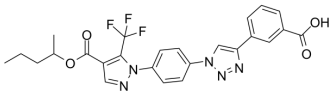
SOCE inhibitor 1

Cat. No.:	HY-112913
CAS No.:	2169316-15-6
Molecular Formula:	$C_{25}H_{22}F_3N_5O_4$
Molecular Weight:	513.47
Target:	CRAC Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (194.75 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.9475 mL	9.7377 mL	19.4753 mL
	5 mM	0.3895 mL	1.9475 mL	3.8951 mL
	10 mM	0.1948 mL	0.9738 mL	1.9475 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: 2.5 mg/mL (4.87 mM); Suspended solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (4.87 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	SOCE inhibitor 1 is a store-operated calcium entry (SOCE) inhibitor with an IC_{50} of 4.4 μM.
IC_{50} & Target	IC50: 4.4 μM (SOCE)[1]

REFERENCES

[1]. Riva B, et al. Pyrtriazoles, a Novel Class of Store-Operated Calcium Entry Modulators: Discovery, Biological Profiling, and in Vivo Proof-of-Concept Efficacy in Acute Pancreatitis. J Med Chem. 2018 Nov 8;61(21):9756-9783.

Caution: Product has not been fully validated for medical applications. For research use only.

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