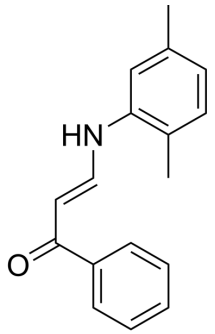
TRAF-STOP inhibitor 6877002

Cat. No.:	HY-110247
CAS No.:	433249-94-6
Molecular Formula:	$C_{17}H_{17}NO$
Molecular Weight:	251.32
Target:	TNF Receptor; NF-κB
Pathway:	Apoptosis; NF-κB
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (397.90 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.9790 mL	19.8950 mL	39.7899 mL
5 mM	0.7958 mL	3.9790 mL	7.9580 mL
10 mM	0.3979 mL	1.9895 mL	3.9790 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: ≥ 2.08 mg/mL (8.28 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (8.28 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

TRAF-STOP inhibitor 6877002, is a selective inhibitor of CD40-TRAF6 interaction, compound VII, shows inhibition of NF-κB activation in RAW cells, extracted from patent WO2014033122A1[1]. TRAF-STOP 6877002 prevents the progression of established atherosclerosis in mice, reduces leukocyte recruitment and reduces macrophage activation; reduces macrophage proliferation in atherosclerotic plaques[2].

IC_{50} & Target

CD40-TRAF6 interaction; NF-κB

REFERENCES

[1]. Seijkens TTP, et al. Targeting CD40-Induced TRAF6 Signaling in Macrophages Reduces Atherosclerosis. J Am Coll Cardiol. 2018 Feb 6;71(5):527-542.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA