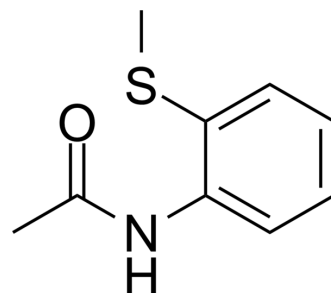


## NSC-41589

Cat. No.:	HY-18594		
CAS No.:	6310-41-4		
Molecular Formula:	C <sub>9</sub> H <sub>11</sub> NOS		
Molecular Weight:	181.25		
Target:	Others		
Pathway:	Others		
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 (551.72 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.5172 mL	27.5862 mL	55.1724 mL
	5 mM	1.1034 mL	5.5172 mL	11.0345 mL
	10 mM	0.5517 mL	2.7586 mL	5.5172 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (13.79 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (13.79 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (13.79 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

NSC-41589 is an N-[2-(methylsulfonyl) phenyl]acetamide.

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

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