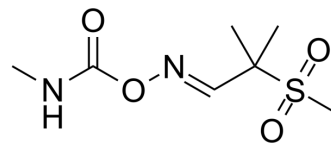


## Aldicarb sulfone

Cat. No.:	HY-17530	
CAS No.:	1646-88-4	
Molecular Formula:	C <sub>7</sub> H <sub>14</sub> N <sub>2</sub> O <sub>4</sub> S	
Molecular Weight:	222.26	
Target:	Cholinesterase (ChE)	
Pathway:	Neuronal Signaling	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 34 mg/mL (152.97 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.4992 mL	22.4960 mL	44.9919 mL
	5 mM	0.8998 mL	4.4992 mL	8.9984 mL
	10 mM	0.4499 mL	2.2496 mL	4.4992 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 (11.25 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.5 mg/mL (11.25 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.5 mg/mL (11.25 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Aldicarb sulfone (Temik sulfone) is a carbamate insecticide; is a cholinesterase inhibitor which prevents the breakdown of acetylcholine in the synapse.

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**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](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA