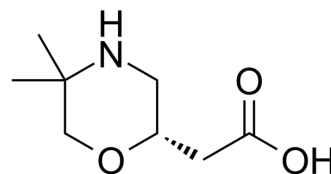


## SCH 50911

<b>Cat. No.:</b>	HY-12783A		
<b>CAS No.:</b>	733717-87-8		
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>15</sub> NO <sub>3</sub>		
<b>Molecular Weight:</b>	173.21		
<b>Target:</b>	GABA Receptor		
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 12.5 mg/mL (72.17 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.7733 mL	28.8667 mL	57.7334 mL
	5 mM	1.1547 mL	5.7733 mL	11.5467 mL
	10 mM	0.5773 mL	2.8867 mL	5.7733 mL

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

### BIOLOGICAL ACTIVITY

#### Description

SCH 50911, (+)-(S)-5,5-dimethylmorpholinyl-2-acetic acid, a selective, orally-active and competitive γ-Aminobutyric acid B GABA(B) receptor antagonist, binds to GABA(B) receptor with IC<sub>50</sub> of 1.1 μM. SCH 50911 antagonizes GABA(B) autoreceptors, increasing the electrically-stimulated <sup>3</sup>H overflow with an IC<sub>50</sub> of 3 μM<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

GABA(B)  
1.1 μM (IC<sub>50</sub>)

### REFERENCES

[1]. Ong J, et al. The morpholino-acetic acid analogue Sch 50911 is a selective GABA(B) receptor antagonist in rat neocortical slices. *Eur J Pharmacol.* 1998 Nov 27;362(1):35-41.

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

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