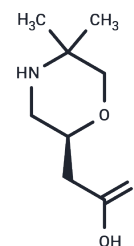


SCH 50911

## Chemical Properties

CAS No. : 733717-87-8  
 Formula: C<sub>8</sub>H<sub>15</sub>NO<sub>3</sub>  
 Molecular Weight: 173.21  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	SCH 50911 is (+)-(S)-5,5-dimethylmorpholinyl-2-acetic acid and is a selective, orally-active and competitive $\gamma$ -Aminobutyric acid B GABA(B) receptor antagonist, binds to GABA(B) receptor (IC <sub>50</sub> : 1.1 $\mu$ M). SCH 50911 antagonizes GABA(B) autoreceptors, increasing the electrically-stimulated 3H overflow (IC <sub>50</sub> : 3 $\mu$ M).
Targets(IC <sub>50</sub> )	GABA Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.1155 mL	0.5773 mL	1.1547 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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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