

## 3,5-Dimethyl-1-adamantanol

## Chemical Properties

CAS No. :	707-37-9
Formula:	C <sub>12</sub> H <sub>20</sub> O
Molecular Weight:	180.287
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	3,5-Dimethyl-1-adamantanol (Memantine Related Compound B) is an impurity of Memantine.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55.00 mg/mL (305.07 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5466 mL	27.7331 mL	55.4662 mL
5 mM	1.1093 mL	5.5466 mL	11.0932 mL
10 mM	0.5547 mL	2.7733 mL	5.5466 mL
50 mM	0.1109 mL	0.5547 mL	1.1093 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

Yamaguchi M, et al. Inorg Chem. 2006 Oct 2;45(20):8342-54.

Schousboe A, et al. Role of the betaine/GABA transporter (BGT-1/GAT2) for the control of epilepsy. Eur J Pharmacol. 2004 Oct 1;500(1-3):281-7.

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