

A DRUG SCREENING EXPERT

Solubility	H2O: < 1 mg/mL (insoluble or slightly soluble) DMSO: 150 mg/mL (279.86 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.73 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8657 mL	9.3287 mL	18.6574 mL
5 mM	0.3731 mL	1.8657 mL	3.7315 mL
10 mM	0.1866 mL	0.9329 mL	1.8657 mL
50 mM	0.0373 mL	0.1866 mL	0.3731 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

Hutchison AJ, et al. J Pharmacol Exp Ther, 1989, 251(1), 47-55.

Jarvis MF, et al. J Pharmacol Exp Ther, 1989, 251(3), 888-893.

Lupica CR, et al. J Pharmacol Exp Ther, 1990, 252(3), 1134-1141.

Phillis JW, et al. Brain Res, 1990, 509(2), 328-30.

Zhang M, et al. Activation of the adenosine A2A receptor exacerbates experimental autoimmune neuritis in Lewis rats in association with enhanced humoral immunity. J Neuroimmunol. 2016 Apr 15;293:129-36.

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