

A DRUG SCREENING EXPERT

Solubility	DMSO: 50 mg/mL (145.4 mM),Sonication is recommended. H2O: 29.08 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 (5.82 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	2.9079 mL	14.5395 mL	29.0791 mL
5 mM	0.5816 mL	2.9079 mL	5.8158 mL
10 mM	0.2908 mL	1.454 mL	2.9079 mL
50 mM	0.0582 mL	0.2908 mL	0.5816 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

Tang LQ, et al. Curr Eye Res, 1998, 17(1), 24-30.

Wood JP, et al. Exp Eye Res, 2003, 76(4), 505-516.

Osborne NN,et al. Exp Eye Res, 1999, 69(3), 331-342.

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