

A DRUG SCREENING EXPERT

Solubility	DMSO: 94.3 mg/mL (181.18 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 9.43 mg/mL (18.12 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 9.43 mg/mL (18.12 mM),Suspension. <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	1.9213 mL	9.6063 mL	19.2127 mL
5 mM	0.3843 mL	1.9213 mL	3.8425 mL
10 mM	0.1921 mL	0.9606 mL	1.9213 mL
50 mM	0.0384 mL	0.1921 mL	0.3843 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

Long JZ, et al. Nat Chem Biol, 2009, 5(1), 37-44.

Ye L, et al. Cancer Lett, 2011, 307(1), 6-17.

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