



## A DRUG SCREENING EXPERT

|                     |   |
|---------------------|---|
| In vivo Formulation | 10% DMSO+90% Saline: < 10 mg/mL (22.55 mM), Lower concentrations may be soluble, but exact solubility limit is unknown.<br>10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (22.55 mM), Solution.<br><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  | 2.2553 mL | 11.2765 mL | 22.553 mL |
| 5 mM  | 0.4511 mL | 2.2553 mL  | 4.5106 mL |
| 10 mM | 0.2255 mL | 1.1276 mL  | 2.2553 mL |
| 50 mM | 0.0451 mL | 0.2255 mL  | 0.4511 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

Estrada AA, et al. J Med Chem. 2012, 55(22), 9416-9433.

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