

Cell Research	Cells in the logarithmic phase are plated in 96-well culture dishes. Twenty-four hours later, cells are treated with the corresponding compounds or vehicle control at the indicated concentration for 72 h. CCK-8 is added into the 96-well plates (10 μ L/well) and incubated with the cells for 3 h. OD450 and OD650 are determined by a microplate reader. Absorbance rate (A) for each well is calculated as OD450 - OD650. The cell viability rate for each well is calculated as $V\% = (A_s - A_c)/(A_b - A_c) \times 100\%$, and the data were further analyzed using Graphpad Prism5. The data are the mean value of the three experiments. A_s is the absorbance rate of the test compound well, A_c is the absorbance rate of the well without either cell or test compound, and A_b is the absorbance rate of the well with cell and vehicle control.(Only for Reference)
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Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), H ₂ O: 92 mg/mL (126.94 mM),Sonication is recommended. DMSO: 93 mg/mL (128.32 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: 3.3 mg/mL (4.55 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	1.3797 mL	6.8987 mL	13.7975 mL
5 mM	0.2759 mL	1.3797 mL	2.7595 mL
10 mM	0.138 mL	0.6899 mL	1.3797 mL
50 mM	0.0276 mL	0.138 mL	0.2759 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

Ren X, et al. J Med Chem. 2013, 56(3), 879-894.

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