



## A DRUG SCREENING EXPERT

Cell Research	mL) and incubated overnight at 37°C.They are incubated with test compounds and processed.
Animal Research	Animal Models: Nude mice bearing SJSA-1,MHMc,or LNCaP xenografts. Formulation: Suspended in 1% Klucel LF/0.1% Tween 80. Dosages: ~200 mg/kg. Administration: p.o.

### Solubility Information

Solubility	Ethanol: 93 mg/mL (127.79 mM),Sonication is recommended. DMSO: 250 mg/mL (343.51 mM),Sonication is recommended. H2O: < 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: 10 mg/mL (13.74 mM),Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (13.74 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	1.374 mL	6.8702 mL	13.7404 mL
5 mM	0.2748 mL	1.374 mL	2.7481 mL
10 mM	0.1374 mL	0.687 mL	1.374 mL
50 mM	0.0275 mL	0.1374 mL	0.2748 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

Vu, Binh; Wovkulich, Peter; Pizzolato, Giacomo et al. Discovery of RG7112: A Small-Molecule MDM2 Inhibitor in Clinical Development. ACS Medicinal Chemistry Letters (2013), 4(5), 466-469.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481