

A DRUG SCREENING EXPERT

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|---------------------|---|
| Solubility | H2O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 11 mg/mL (25.81 mM), Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble), (< 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 (4.69 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 | 2.346 mL | 11.7299 mL | 23.4599 mL |
| 5 mM | 0.4692 mL | 2.346 mL | 4.692 mL |
| 10 mM | 0.2346 mL | 1.173 mL | 2.346 mL |
| 50 mM | 0.0469 mL | 0.2346 mL | 0.4692 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

- Ranganathan P, et al. Blood. 2012, 120(9), 1765-1773.
Azmi AS, et al. Exp Hematol. 2013, 41(1), 67-78.
Schmidt J, et al. Leukemia. 2013, 27(12), 2357-2365.

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