

A DRUG SCREENING EXPERT

Cell Research	culture medium. After 48?h of culture, cells are then collected to detect the expression of DMT1 by qRT-PCR[2].
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Solubility Information

Solubility	DMSO: 28.88 mg/mL (58.51 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: 2 mg/mL (4.05 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	2.0261 mL	10.1305 mL	20.261 mL
5 mM	0.4052 mL	2.0261 mL	4.0522 mL
10 mM	0.2026 mL	1.013 mL	2.0261 mL
50 mM	0.0405 mL	0.2026 mL	0.4052 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

- Zhang T, et al. Discovery of Potent and Selective Covalent Inhibitors of JNK. Chem Biol. 2012 Jan 27;19(1):140-54.
- Xu P, Zeng S, Xia X, et al. FAM172A promotes follicular thyroid carcinogenesis and may be a marker of FTC. Endocrine-Related Cancer. 2020, 1(aop)
- Wu W, et al. Divalent metal-ion transporter 1 is decreased in intestinal epithelial cells and contributes to the anemia in inflammatory bowel disease. Sci Rep. 2015 Nov 17;5:16344.
- Xu P, Zeng S, Xia X, et al. FAM172A promotes follicular thyroid carcinogenesis and may be a marker of FTC[J]. Endocrine-Related Cancer. 2020, 1(aop).

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