

## JQKD82 trihydrochloride

### Chemical Properties

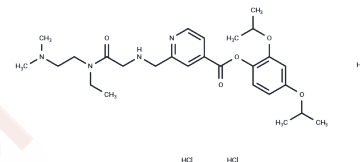
CAS No. :

Formula: C27H43Cl3N4O5

Molecular Weight: 610.01

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



### Biological Description

Description	JQKD82 trihydrochloride, a cell-permeable and selective inhibitor of KDM5, enhances H3K4me3 levels and is utilized in multiple myeloma research.
Targets(IC50)	Histone Demethylase

### Solubility Information

Solubility	DMSO: 40 mg/mL (65.57 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: 1 mg/mL (1.64 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	1.6393 mL	8.1966 mL	16.3932 mL
5 mM	0.3279 mL	1.6393 mL	3.2786 mL
10 mM	0.1639 mL	0.8197 mL	1.6393 mL
50 mM	0.0328 mL	0.1639 mL	0.3279 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

Jun Qi, et al. Histone demethylase 5 inhibitors and uses thereof. WO2020033377A1.

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