

RTC-30

## Chemical Properties

CAS No. : 1423077-95-5

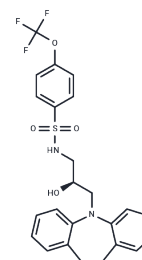
Formula: C<sub>24</sub>H<sub>23</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub>S

Molecular Weight: 492.51

Keep away from direct sunlight

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	RTC-30, an optimized phenothiazine compound, possesses potent anti-cancer properties and is formulated with a hydroxylated linker (N) to enhance its oral bioavailability[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	RTC-30 (0-40 μM; 48 hours) inhibits H1650 lung adenocarcinoma cell growth with a GI50 of 15 μM[1].

## Solubility Information

Solubility	DMSO: 15 mg/mL (30.46 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: 1.5 mg/mL (3.05 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.0304 mL	10.1521 mL	20.3042 mL
5 mM	0.4061 mL	2.0304 mL	4.0608 mL
10 mM	0.203 mL	1.0152 mL	2.0304 mL
50 mM	0.0406 mL	0.203 mL	0.4061 mL

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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

Kastrinsky DB, et al. Reengineered tricyclic anti-cancer agents. *Bioorg Med Chem.* 2015 Oct 1;23(19):6528-34.

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