

TS-002266

## Chemical Properties

CAS No. : 2702325-64-0

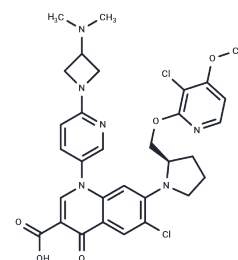
Formula: C<sub>31</sub>H<sub>32</sub>Cl<sub>2</sub>N<sub>6</sub>O<sub>5</sub>

Molecular Weight: 639.53

Store at low temperature

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	TS-0022666 is a selective TUT4/7 inhibitor exhibiting antiproliferative and anti-leukaemic activity in vivo and in vitro. It enhances THP-1 cell sensitivity to BCL-2 inhibition, reduces uridylation, and may be used to study cancers with FOCAD deficiency.
Targets(IC50)	DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: 80 mg/mL (125.09 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: 3.3 mg/mL (5.16 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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	1mg	5mg	10mg
1 mM	1.5636 mL	7.8182 mL	15.6365 mL
5 mM	0.3127 mL	1.5636 mL	3.1273 mL
10 mM	0.1564 mL	0.7818 mL	1.5636 mL
50 mM	0.0313 mL	0.1564 mL	0.3127 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

Triboulet R, et al. Targeting the synthetic lethal relationship between FOCAD and TUT7 represents a potential therapeutic opportunity for TUT4/7 small molecule inhibitors in cancer. Mol Cancer Ther. 2024 Sep 5.

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