# Data Sheet (Cat.No.T8931L)

TargetMol

## ICCB-19 hydrochloride

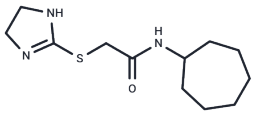
### Chemical Properties

CAS No. : 1803605-68-6

Formula: C12H22ClN3OS

Molecular Weight: 291.84

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 | ICCB-19 hydrochloride (ICCB-19 HCl) is an inhibitor of TRADD (TNFRSF1A Associated Via Death Domain). It binds to a pocket on the N-terminal TRAF2-binding domain of TRADD (TRADD-N), which interacts with the C-terminal domain (TRADD-C) and TRAF2 to modulate the ubiquitination of RIPK1 and beclin 1. |
| Targets(IC50) | Apoptosis,Autophagy,RIP kinase |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 25 mg/mL (85.66 mM),Sonication is recommended.<br>(< 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 (6.85 mM),Sonication is recommended.<br>*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.* |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 3.4265 mL | 17.1327 mL | 34.2654 mL |
| 5 mM | 0.6853 mL | 3.4265 mL | 6.8531 mL |
| 10 mM | 0.3427 mL | 1.7133 mL | 3.4265 mL |
| 50 mM | 0.0685 mL | 0.3427 mL | 0.6853 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

Xu D , Zhao H , Jin M , et al. Modulating TRADD to restore cellular homeostasis and inhibit apoptosis[J]. Nature, 2020, 587(7832):1-6.

Zheng M, Zhai Y, Yu Y, et al.TNF compromises intestinal bile-acid tolerance dictating colitis progression and limited infliximab response.Cell Metabolism.2024



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