

## Cbl-b-IN-3

## Chemical Properties

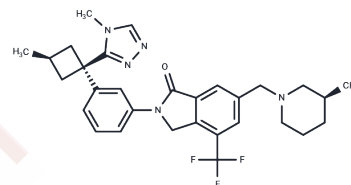
CAS No. : 2573775-59-2

Formula: C<sub>30</sub>H<sub>34</sub>F<sub>3</sub>N<sub>5</sub>O

Molecular Weight: 537.62

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	Cbl-b-IN-3 is a potent inhibitor of casitas b lineage lymphoma proto-oncogene-b (Cbl-b) (ic <sub>50</sub> < 1 nM).
Targets(IC <sub>50</sub> )	E1/E2/E3 Enzyme
In vitro	<b>METHODS:</b> The ability to inhibit Cbl-b activity was determined by monitoring the interaction of Cbl-b with a fluorophore-labeled probe in the presence of Cbl-b-IN-3. <b>RESULTS</b> The IC <sub>50</sub> value of Cbl-b-IN-3 inhibiting Cbl-b is less than 1 nM. [1]

## Solubility Information

Solubility	DMSO: 11.15 mg/mL (20.74 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.860 mL	9.3002 mL	18.6005 mL
5 mM	0.372 mL	1.860 mL	3.7201 mL
10 mM	0.186 mL	0.930 mL	1.860 mL
50 mM	0.0372 mL	0.186 mL	0.372 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

Arthur T. Sands, et al. Substituted benzyl-triazole compounds for cbl-b inhibition, and further uses thereof. WO2020264398A1.

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