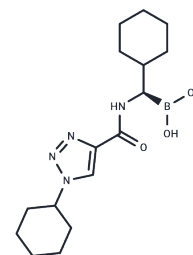


## LMP7/LMP2-IN-1

## Chemical Properties

CAS No. :	3053755-09-9
Formula:	C <sub>16</sub> H <sub>27</sub> BN <sub>4</sub> O <sub>3</sub>
Molecular Weight:	334.22
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	LMP7/LMP2-IN-1 (Compound 19) is an orally effective inhibitor targeting the immunoproteasome subunits LMP7 and LMP2, with respective IC <sub>50</sub> values of 257 and 10 nM. This compound reduces the production of antibodies and downregulates the B cells in the germinal centers of the spleen and plasma cells in NP-OVA immunized mice. It has potential applications in the study of autoimmune diseases.
Targets(IC <sub>50</sub> )	Proteasome

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.992 mL	14.9602 mL	29.9204 mL
5 mM	0.5984 mL	2.992 mL	5.9841 mL
10 mM	0.2992 mL	1.496 mL	2.992 mL
50 mM	0.0598 mL	0.2992 mL	0.5984 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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