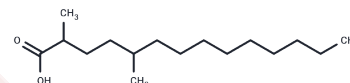


## Jobosic acid

## Chemical Properties

CAS No. : 223611-93-6  
 Formula: C<sub>16</sub>H<sub>32</sub>O<sub>2</sub>  
 Molecular Weight: 256.42  
 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	Jobosic acid is a saturated fatty acid and a selective inhibitor of SARS-CoV-2. It inhibits the Mpro and the interaction between spike-RBD/ACE-2 with IC <sub>50</sub> values of 7.5 µg/mL and 3 µg/mL, respectively. Jobosic acid also exhibits viral entry inhibition against the omicron variant of SARS-CoV-2.
Targets(IC <sub>50</sub> )	SARS-CoV

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8999 mL	19.4993 mL	38.9985 mL
5 mM	0.780 mL	3.8999 mL	7.7997 mL
10 mM	0.390 mL	1.9499 mL	3.8999 mL
50 mM	0.078 mL	0.390 mL	0.780 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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