

$\beta$ -Lactamase-IN-2

## Chemical Properties

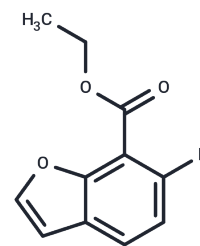
CAS No. : 2114651-20-4

Formula: C<sub>11</sub>H<sub>9</sub>FO<sub>3</sub>

Molecular Weight: 208.19

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	$\beta$ -Lactamase-IN-2 is an inhibitor of $\beta$ -Lactamase with anti-microbial and anti-bacterial effects.
Targets(IC50)	Antibacterial, Antibiotic

## Solubility Information

Solubility	DMSO: 100 mg/mL (480.33 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: 4 mg/mL (19.21 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

	1mg	5mg	10mg
1 mM	4.8033 mL	24.0165 mL	48.033 mL
5 mM	0.9607 mL	4.8033 mL	9.6066 mL
10 mM	0.4803 mL	2.4017 mL	4.8033 mL
50 mM	0.0961 mL	0.4803 mL	0.9607 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

Scott J. Hecker, et al. Boronic acid derivatives and synthesis thereof. Patent WO 2019075084

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