

## (Z)-Nexinhib20

## Chemical Properties

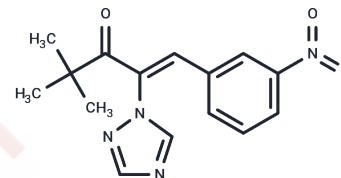
CAS No. : 1162656-24-7

Formula: C<sub>15</sub>H<sub>16</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 300.31

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	(Z)-Nexinhib20 is an isomer of Nexinhib20. Nexinhib20 is an inhibitor targeting Rab27a-JFC1 interactions (IC <sub>50</sub> : 2.6 μM) and Rac-1-GTP. It suppresses neutrophil exocytosis, adhesion, and β <sub>2</sub> integrin activation, while exhibiting anti-inflammatory properties. Nexinhib20 is applicable in research on systemic inflammation and myocardial ischemia-reperfusion injury.
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	DMSO: 45 mg/mL (149.85 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	3.3299 mL	16.6495 mL	33.2989 mL
5 mM	0.666 mL	3.3299 mL	6.6598 mL
10 mM	0.333 mL	1.6649 mL	3.3299 mL
50 mM	0.0666 mL	0.333 mL	0.666 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

Liu W, et al. Nexinhib20 Inhibits Neutrophil Adhesion and β<sub>2</sub> Integrin Activation by Antagonizing Rac-1-Guanosine 5'-Triphosphate Interaction. J Immunol. 2022 Oct 15;209(8):1574-1585.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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