

## TLR7 agonist 29

## Chemical Properties

CAS No. :

Formula: C<sub>20</sub>H<sub>27</sub>N<sub>7</sub>O<sub>2</sub>

Molecular Weight: 397.47

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	TLR7 agonist 29 (Compound 1) is an activator of TLR7, displaying an EC <sub>50</sub> of 5.2 nM for human TLR7 and 48.2 nM for mouse TLR7. It can activate bone marrow-derived macrophages (BMDM) and stimulate myeloid cells within the tumor microenvironment, enhancing the expression of PD-L1, CD86, and IFN- $\alpha$ . Additionally, TLR7 agonist 29 can serve as a payload for synthesizing ADCs.
Targets(IC50)	PD-1/PD-L1,ADC Cytotoxin,IFNAR,TLR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5159 mL	12.5796 mL	25.1591 mL
5 mM	0.5032 mL	2.5159 mL	5.0318 mL
10 mM	0.2516 mL	1.258 mL	2.5159 mL
50 mM	0.0503 mL	0.2516 mL	0.5032 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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