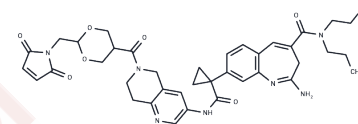


## TLR8 agonist 9

## Chemical Properties

CAS No. :	3034750-61-0
Formula:	C38H43N7O8
Molecular Weight:	725.79
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	TLR8 agonist9 (Compound II-77) functions as an agonist for Toll-like receptor 8 (TLR8) with an EC50 of 0.25-1 $\mu$ M. This compound is stable in human and mouse plasma and effectively induces the secretion of the cytokine TNF $\alpha$ with an EC50 of less than 1 $\mu$ M. In the MC38-HER2 xenograft mouse model, TLR8 agonist9 demonstrates significant antitumor activity, achieving a tumor growth inhibition (TGI) rate of 97%.
Targets(IC50)	TLR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3778 mL	6.889 mL	13.7781 mL
5 mM	0.2756 mL	1.3778 mL	2.7556 mL
10 mM	0.1378 mL	0.6889 mL	1.3778 mL
50 mM	0.0276 mL	0.1378 mL	0.2756 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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