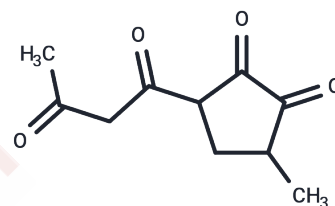


TLR4-IN-1

## Chemical Properties

CAS No. : 2617578-93-3  
 Formula: C<sub>10</sub>H<sub>12</sub>O<sub>4</sub>  
 Molecular Weight: 196.2  
 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	TLR4-IN-1 (compound 3k) demonstrates potent inhibition of RAW264.7 cell viability with an IC <sub>50</sub> value of 1.02 μM. Additionally, it suppresses the release of cytokines TNF-α, IL-1β, and IL-6, and shows anti-inflammatory effectiveness in rat models of rheumatoid arthritis.
Targets(IC <sub>50</sub> )	TLR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0968 mL	25.4842 mL	50.9684 mL
5 mM	1.0194 mL	5.0968 mL	10.1937 mL
10 mM	0.5097 mL	2.5484 mL	5.0968 mL
50 mM	0.1019 mL	0.5097 mL	1.0194 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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