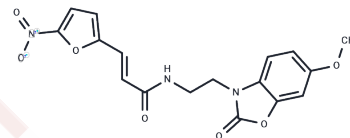


## Anti-inflammatory agent 55

## Chemical Properties

CAS No. :	2924156-51-2
Formula:	C17H15N3O7
Molecular Weight:	373.32
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	Compound 9j (anti-inflammatory agent 55), a Coixol derivative, exhibits anti-inflammatory properties by inhibiting the NF- $\kappa$ B pathway and reducing the expression of iNOS, TNF- $\alpha$ , IL-6, and IL-1 $\beta$ . It notably suppresses LPS-induced nitric oxide (NO) production in RAW264.7 macrophages with an IC50 of 0.8 $\mu$ M and demonstrates anti-inflammatory effects in vivo using a mouse auricular edema model [1].
Targets(IC50)	Others,NF- $\kappa$ B,NO Synthase,Interleukin,TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6787 mL	13.3933 mL	26.7867 mL
5 mM	0.5357 mL	2.6787 mL	5.3573 mL
10 mM	0.2679 mL	1.3393 mL	2.6787 mL
50 mM	0.0536 mL	0.2679 mL	0.5357 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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