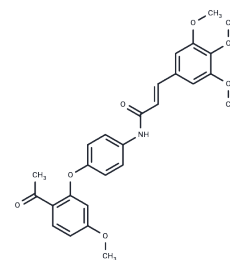


## NF-κB/MAPK-IN-1

## Chemical Properties

CAS No. :	2413940-56-2
Formula:	C <sub>27</sub> H <sub>27</sub> N <sub>0</sub> O <sub>7</sub>
Molecular Weight:	477.51
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	NF-κB/MAPK-IN-1 is a potent dual inhibitor of the NF-κB and MAPK pathways with potential anti-inflammatory activity, inhibition of NO production, and inhibition of LPS-induced activation of iNOS, COX-2, ERK and P38. NF-κB/MAPK-IN-1 is used for the prevention and treatment of rheumatoid arthritis (RA).
Targets(IC50)	NF-κB,MAPK,NO Synthase,COX,p38 MAPK

## Solubility Information

Solubility	DMSO: 80 mg/mL (167.54 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	2.0942 mL	10.471 mL	20.942 mL
5 mM	0.4188 mL	2.0942 mL	4.1884 mL
10 mM	0.2094 mL	1.0471 mL	2.0942 mL
50 mM	0.0419 mL	0.2094 mL	0.4188 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

Hu YS, et al. Novel paeonol derivatives: Design, synthesis and anti-inflammatory activity in vitro and in vivo. Bioorg Chem. 2020 May;98:103735.

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

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