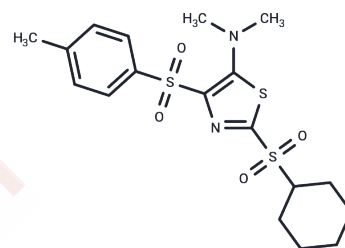


M04

## Chemical Properties

CAS No. : 875158-73-9  
 Formula: C<sub>18</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub>S<sub>3</sub>  
 Molecular Weight: 428.58  
 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	M04 acts as a stimulator of interferon genes (STING) agonist, effectively inducing IFN reporter gene expression in HEK293T cells equipped with wild-type human STING. Its activity is specific, not affecting HEK293T cells with the R71H-G230A-R293Q (HAQ) human STING variant or mouse RAW 264.7 cells, showcasing allelic- and species-dependent effects at a concentration of 75 $\mu$ M. This compound also stimulates the production of TNF- $\alpha$ , IL-10, IL-1 $\beta$ , and IL-12p70 in human peripheral blood mononuclear cells (PBMCs). At 50 $\mu$ M, M04 enhances human monocyte-derived dendritic cells' expression of HLA-DR (MHC class II receptor) and co-stimulatory molecules CD40, CD80, and CD86, improving T cell cross-priming in an ex vivo assay.
Targets(IC50)	Others, Immunology/Inflammation related, Interleukin, STING, TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3333 mL	11.6664 mL	23.3329 mL
5 mM	0.4667 mL	2.3333 mL	4.6666 mL
10 mM	0.2333 mL	1.1666 mL	2.3333 mL
50 mM	0.0467 mL	0.2333 mL	0.4667 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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