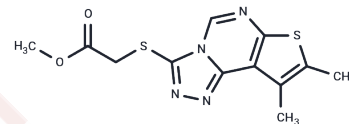


BDW568

Chemical Properties

CAS No. : 335401-44-0
 Formula: C₁₂H₁₂N₄O₂S₂
 Molecular Weight: 308.38
 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	BDW568, a prodrug of BDW-OH, serves as a stimulator of interferon genes (STING) agonist. This compound effectively induces STING transcriptional activity, evidenced by a reporter assay in THP-1 cells, with an EC ₅₀ value of 7.6 μM. Furthermore, at a concentration of 50 μM, BDW568 prompts phosphorylation of TANK-binding kinase 1 (TBK1) and IFN regulatory factor 3 (IRF3) within THP-1 cells, showcasing its biochemical activity in cellular signaling pathways.
Targets(IC50)	Others,STING

Solubility Information

Solubility	Acetonitrile: Soluble Chloroform: Soluble Methanol: Soluble Ethanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2428 mL	16.2138 mL	32.4275 mL
5 mM	0.6486 mL	3.2428 mL	6.4855 mL
10 mM	0.3243 mL	1.6214 mL	3.2428 mL
50 mM	0.0649 mL	0.3243 mL	0.6486 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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