

PMMB-187

Chemical Properties

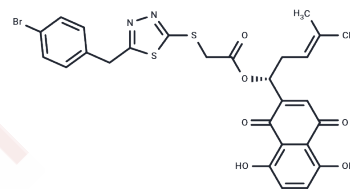
CAS No. : 2162952-37-4

Formula: C₂₇H₂₃BrN₂O₆S₂

Molecular Weight: 615.52

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	PMMB-187, a selective STAT3 inhibitor, exhibits an IC ₅₀ of 1.81 μM in MDA-MB-231 cells. This compound induces apoptosis in MDA-MB-231 cells by inhibiting STAT3 transcriptional activity and nuclear translocation, reducing mitochondrial membrane potential, increasing reactive oxygen species (ROS) production, and upregulating the expression of apoptosis-related proteins. PMMB-187 is useful for research in the field of cancer.
Targets(IC ₅₀)	STAT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6246 mL	8.1232 mL	16.2464 mL
5 mM	0.3249 mL	1.6246 mL	3.2493 mL
10 mM	0.1625 mL	0.8123 mL	1.6246 mL
50 mM	0.0325 mL	0.1625 mL	0.3249 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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