

ZG-126

Chemical Properties

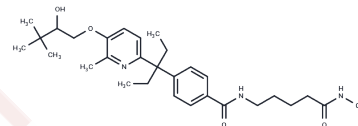
CAS No. : 3049802-32-3

Formula: C₂₉H₄₃N₃O₅

Molecular Weight: 513.67

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

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|----------------------------|--|
| Description | ZG-126 is an agonist of the vitamin D receptor (VDR) and an inhibitor of histone deacetylase (HDAC) with an IC ₅₀ range of 0.63-67.6 μM. It demonstrates cytotoxicity in cancer cell lines MDA-MB-231 and 4T1. In mouse models, ZG-126 exhibits antitumor and antimetastatic effects against melanoma and triple-negative breast cancer (TNBC). Additionally, it shows anti-inflammatory activity by reducing macrophage infiltration and polarization to the immunosuppressive M2 subtype. |
| Targets(IC ₅₀) | HDAC, Vitamin |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.9468 mL | 9.7339 mL | 19.4678 mL |
| 5 mM | 0.3894 mL | 1.9468 mL | 3.8936 mL |
| 10 mM | 0.1947 mL | 0.9734 mL | 1.9468 mL |
| 50 mM | 0.0389 mL | 0.1947 mL | 0.3894 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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