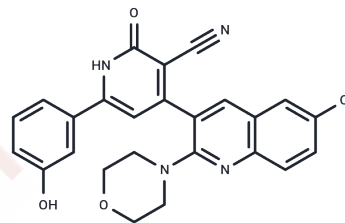


Pim-1/2 kinase inhibitor 2

Chemical Properties

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------|
| CAS No. : | 2918764-16-4 |
| Formula: | C ₂₅ H ₁₉ ClN ₄ O ₃ |
| Molecular Weight: | 458.9 |
| 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 | Compound 5b, designated as Pim-1/2 kinase inhibitor 2, acts as a competitive inhibitor of both PIM-1 and PIM-2 kinases, demonstrating IC ₅₀ values of 1.31 μM and 0.67 μM, respectively. This compound exhibits potent in-vitro anticancer activity against various cancer cell lines, including myeloid leukemia (NFS-60), liver (HepG-2), prostate (PC-3), and colon (Caco-2), while showing low cytotoxicity to the normal human lung fibroblast Wi-38 cell line [1]. |
| Targets(IC ₅₀) | Pim |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1791 mL | 10.8956 mL | 21.7912 mL |
| 5 mM | 0.4358 mL | 2.1791 mL | 4.3582 mL |
| 10 mM | 0.2179 mL | 1.0896 mL | 2.1791 mL |
| 50 mM | 0.0436 mL | 0.2179 mL | 0.4358 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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