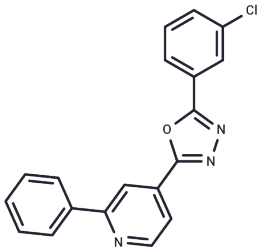
# Data Sheet (Cat.No.T77526)

TargetMol

## Pim-1 kinase inhibitor 4

### Chemical Properties



CAS No. :

Formula: C19H12ClN3O

Molecular Weight: 333.77

Storage: Store at low temperature
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 | Pim-1 kinase inhibitor 4 is a potent Pim-1 kinase inhibitor with an IC50 value of 17.01 nM.Pim-1 kinase inhibitor 4 also possesses antioxidant activity and potential anticancer activity, and inhibits DPPH.Pim-1 kinase inhibitor 4 promotes apoptosis and inhibits the growth of PC-3 cells with an IC50 value of 16 nM. Pim-1 kinase inhibitor 4 promotes apoptosis and inhibits PC-3 cell growth with an IC50 of 16 nM. Pim-1 kinase inhibitor 4 can be used in prostate cancer research. |
| Targets(IC50) | Apoptosis,Pim |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 4.55 mg/mL (13.63 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.9961 mL | 14.9804 mL | 29.9608 mL |
| 5 mM | 0.5992 mL | 2.9961 mL | 5.9922 mL |
| 10 mM | 0.2996 mL | 1.498 mL | 2.9961 mL |
| 50 mM | 0.0599 mL | 0.2996 mL | 0.5992 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.

Reference

astanet AS, et al. Discovery of PIM-1 kinase inhibitors based on the 2,5-disubstituted 1,3,4-oxadiazole scaffold against prostate cancer: Design, synthesis, in vitro and in vivo cytotoxicity investigation. Eur J Med Chem. 2023 Mar 15;250:115220.



Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481