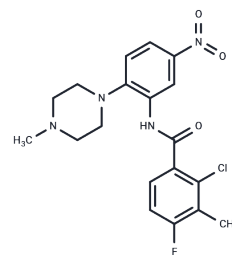


WDR5-47

Chemical Properties

CAS No. : 1422389-91-0
 Formula: C₁₉H₂₀ClFN₄O₃
 Molecular Weight: 406.84
 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 | WDR5-47 is a potent small molecule to disturb the interaction of MLL1-WDR5 with IC50 value of 0.3μM. |
| Targets(IC50) | Histone Methyltransferase,JAK |

Solubility Information

| | |
|------------|-------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 25 mg/mL (61.45 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|-------------------------------------------------------------------------------------------------------------------------|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.458 mL | 12.2898 mL | 24.5797 mL |
| 5 mM | 0.4916 mL | 2.458 mL | 4.9159 mL |
| 10 mM | 0.2458 mL | 1.229 mL | 2.458 mL |
| 50 mM | 0.0492 mL | 0.2458 mL | 0.4916 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

Li DD, et al. Structure-based design and synthesis of small molecular inhibitors disturbing the interaction of MLL1-WDR5. Eur J Med Chem. 2016 Aug 8;118:1-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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