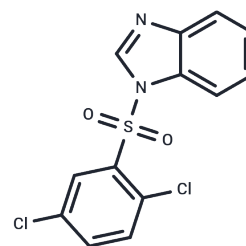


WDR5-IN-6

## Chemical Properties

CAS No. : 326901-92-2  
 Formula: C<sub>13</sub>H<sub>8</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub>S  
 Molecular Weight: 327.19  
 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-IN-6 is a WDR5 inhibitor targeting the WBM locus and is highly synergistic with OICR-9429, a WDR5 inhibitor that targets the WIN locus. It exhibits potent antitumor activity and inhibits cell proliferation in neuroblastoma cell lines, making WDR5-IN-6 suitable for neuroblastoma research.
Targets(IC <sub>50</sub> )	JAK
In vitro	WDR5-IN-6 (compound 19) inhibits the proliferation of IMR32 and LAN5 cells with EC <sub>50</sub> values of 12.34 and 14.89 μM, respectively, exhibits moderate inhibitory effects on SK-N-AS cells, and shows no effect on HEK293T cells at 20 μM.[1]

## Solubility Information

Solubility	DMSO: 50 mg/mL (152.82 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.11 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

---

	1mg	5mg	10mg
1 mM	3.0563 mL	15.2816 mL	30.5633 mL
5 mM	0.6113 mL	3.0563 mL	6.1127 mL
10 mM	0.3056 mL	1.5282 mL	3.0563 mL
50 mM	0.0611 mL	0.3056 mL	0.6113 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

Han QL, et al. Discovery, evaluation and mechanism study of WDR5-targeted small molecular inhibitors for neuroblastoma. *Acta Pharmacol Sin.* 2023;44(4):877-887.

**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