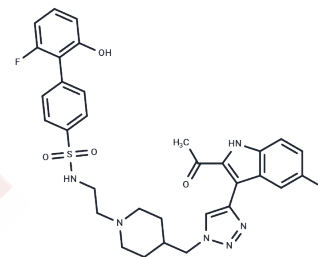


KDX1381

## Chemical Properties

CAS No. : 2757728-47-3  
 Formula: C<sub>32</sub>H<sub>32</sub>F<sub>2</sub>N<sub>6</sub>O<sub>4</sub>S  
 Molecular Weight: 634.70  
 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                | KDX1381 is a bivalent CK2 $\alpha$ inhibitor with an IC <sub>50</sub> of 17 nM and a KD of 54 nM. It demonstrates antitumor activity in murine 786-O and A375 xenograft models. Furthermore, when combined with a vascular endothelial growth factor receptor (VEGFR) inhibitor or DNA-damaging agents, KDX1381 enhances antitumor effects in mouse hepatocellular carcinoma and glioma models. |
| Targets(IC <sub>50</sub> ) | Casein Kinase   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.5755 mL | 7.8777 mL | 15.7555 mL |
| 5 mM  | 0.3151 mL | 1.5755 mL | 3.1511 mL  |
| 10 mM | 0.1576 mL | 0.7878 mL | 1.5755 mL  |
| 50 mM | 0.0315 mL | 0.1576 mL | 0.3151 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

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