

ZC0109

## Chemical Properties

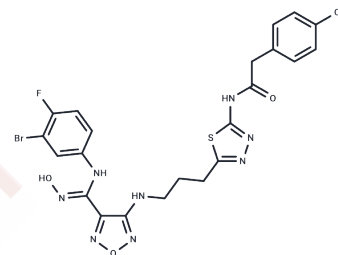
CAS No. :

Formula: C<sub>22</sub>H<sub>20</sub>BrFN<sub>8</sub>O<sub>4</sub>S

Molecular Weight: 591.41

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                | ZC0109, a dual inhibitor targeting IDO1 and Thioredoxin Reductase 1 (TrxR1) with IC <sub>50</sub> values of 50 nM and 3.0 μM respectively, effectively promotes ROS accumulation and arrests the cell cycle at the G1/S phase, culminating in apoptosis of cancer cells. |
| Targets(IC <sub>50</sub> ) | Apoptosis,Others,IDO,Indoleamine 2,3-Dioxygenase (IDO)   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.6909 mL | 8.4544 mL | 16.9087 mL |
| 5 mM  | 0.3382 mL | 1.6909 mL | 3.3817 mL  |
| 10 mM | 0.1691 mL | 0.8454 mL | 1.6909 mL  |
| 50 mM | 0.0338 mL | 0.1691 mL | 0.3382 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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