

CZS-241

## Chemical Properties

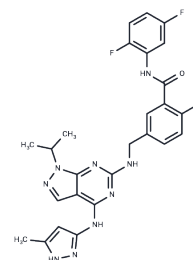
CAS No. :

Formula: C<sub>26</sub>H<sub>24</sub>ClF<sub>2</sub>N<sub>9</sub>O

Molecular Weight: 551.98

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|             |                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | CZS-241 is an orally active, selective Polo-like Kinase (PLK) 4 inhibitor with an IC <sub>50</sub> of 2.6 nM that also inhibits TRKA at an IC <sub>50</sub> of 2.74 μM. It induces apoptosis and causes cell cycle arrest at the S/G2 phase, demonstrating potent antiproliferative effectiveness against leukemia cell lines while maintaining safety towards normal cell lines. |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.8117 mL | 9.0583 mL | 18.1166 mL |
| 5 mM  | 0.3623 mL | 1.8117 mL | 3.6233 mL  |
| 10 mM | 0.1812 mL | 0.9058 mL | 1.8117 mL  |
| 50 mM | 0.0362 mL | 0.1812 mL | 0.3623 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.

**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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