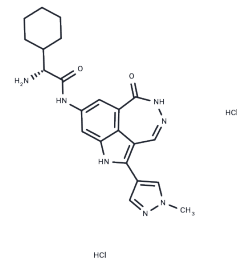


PF-477736 2HCl

Chemical Properties

CAS No. : 1247874-19-6
 Formula: C₂₂H₂₇Cl₂N₇O₂
 Molecular Weight: 492.4
 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 | PF-477736, also known as PF-00477736, is a potent CHK1 inhibitor with potential to enhance chemotherapy. This compound inhibits CHK1, an ATP-dependent serine/threonine kinase that is a crucial component of the S/G2 checkpoint system for DNA replication monitoring. By bypassing the final checkpoint defenses against DNA damage-induced lethal effects, PF-477736 may improve the antitumor efficacy of various chemotherapeutic agents in tumor cells with inherent checkpoint deficiencies. |
|-------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0309 mL | 10.1543 mL | 20.3087 mL |
| 5 mM | 0.4062 mL | 2.0309 mL | 4.0617 mL |
| 10 mM | 0.2031 mL | 1.0154 mL | 2.0309 mL |
| 50 mM | 0.0406 mL | 0.2031 mL | 0.4062 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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