

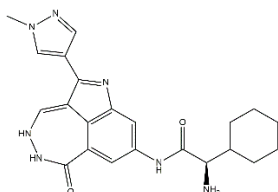
# PF-477736

**ALTERNATE NAME:** (R)- $\alpha$ -Amino-N-[5,6-dihydro-2-(1-methyl-1H-pyrazol-4-yl)-6-oxo-1H-pyrrolo[4,3,2-ef][2,3]benzodiazepin-8-yl]-cyclohexaneacetamide

**CATALOG #:** B2335-25  
B2335-5

**AMOUNT:** 25 mg  
5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>22</sub>H<sub>25</sub>N<sub>7</sub>O<sub>2</sub>

**MOLECULAR WEIGHT:** 419.48

**CAS NUMBER:** 952021-60-2

**APPEARANCE:** Yellow solid

**PURITY:**  $\geq$ 98% by HPLC

**STORAGE:** Store at -20°C. Protect from air and light

**SOLUBILITY:** >30 mg/ml (DMSO)

**REFERENCES:** Blasina, A., et al. (2008). Mol. Cancer Ther. 7, 2394-404.

**DESCRIPTION:** PF-477736 is a potent, ATP-competitive inhibitor of Chk1 (checkpoint kinase 1) (K<sub>i</sub> = 0.49 nM). It displays 100-fold selectivity over Chk2. PF-477736 abrogates DNA damage-induced cell cycle arrest.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Prexasertib mesylate (B2067)  
CCT-245737 (B2116)  
AZD-7762 (9414)  
CCT-244747 (9575)  
Chk2 inhibitor (1702)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*