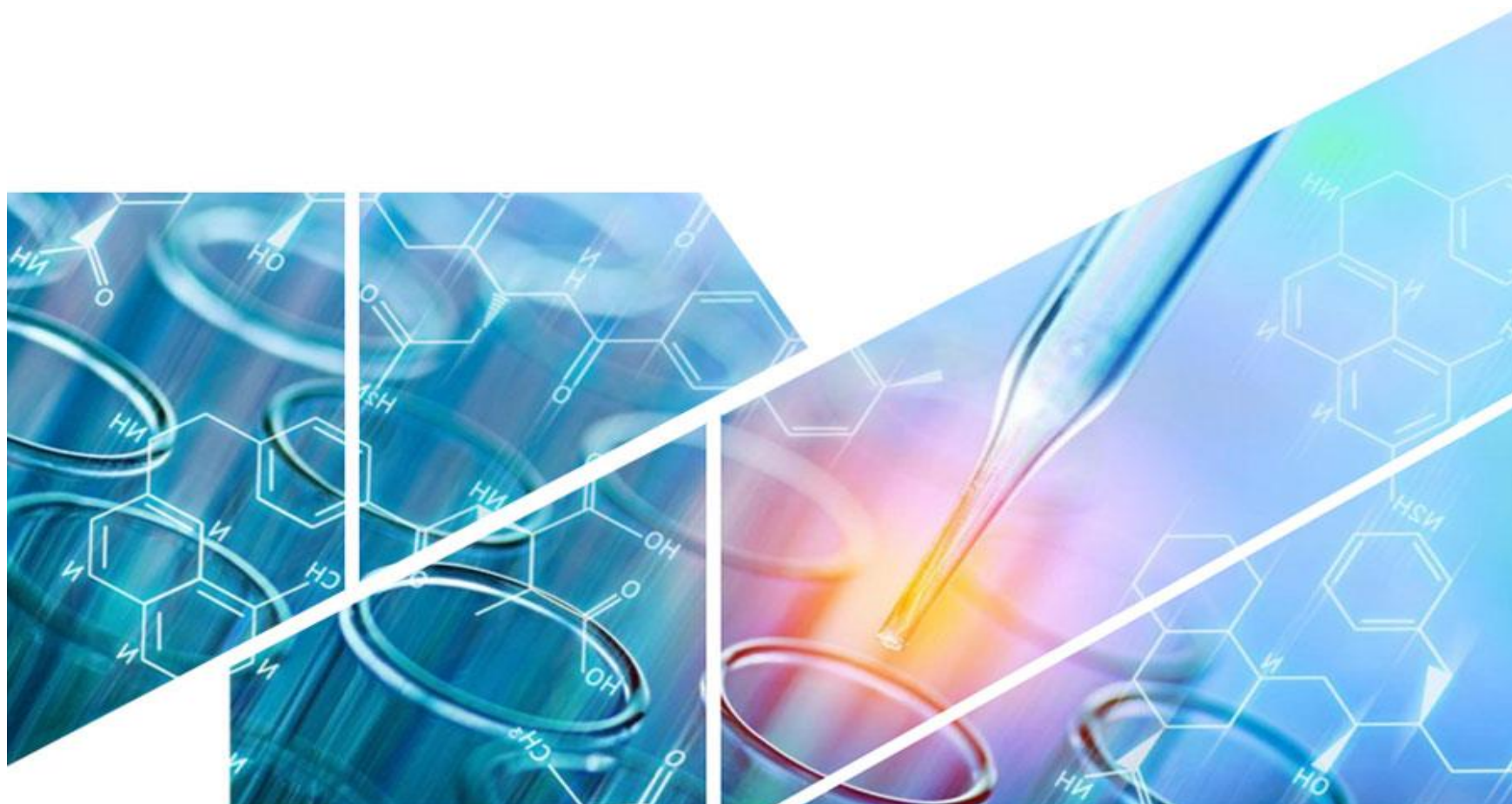


Cdc7 (Cell division cycle 7-related protein kinase) Inhibitors (inhibitors, agonists and modulators)



Cell division cycle 7-related protein kinase is an enzyme that in humans is encoded by the CDC7 gene. The Cdc7 kinase is involved in regulation of the cell cycle at the point of chromosomal DNA replication. The gene CDC7 appears to be conserved throughout eukaryotic evolution; this means that most eukaryotic cells have the Cdc7 kinase protein.



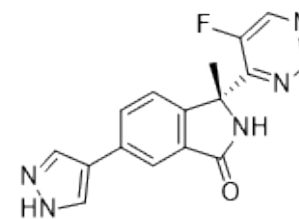
LY-3177833 - CAS 1627696-51-8

Catalog Number:

Molecular Weight: 309.3

Molecular Formula: C₁₆H₁₂FN₅O

Description: LY-3177833 is a selective CDC7 (IC₅₀ = 3.3 nM) and pMCM2 (IC₅₀ = 290nM) inhibitor. It exhibits an antitumor activity in a wide range of cancers.



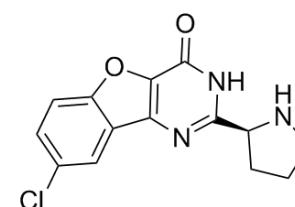
XL413 - CAS 1169558-38-6

Catalog Number: 1169558-38-6

Molecular Weight: 289.72

Molecular Formula: C₁₄H₁₂ClN₃O₂

Description: XL413 is a potent and selective Cdc7 inhibitor with an IC₅₀ of 3.7 nM, with a 60-fold selectivity against CK2, 10-fold selectivity against PIM, and 300-fold selectivity against a panel of over 100 protein kinases.



BMS-863233 HCl - CAS 1169562-71-3

Catalog Number: 1169562-71-3

Molecular Weight: 289.72

Molecular Formula: C₁₄H₁₂ClN₃O₂

Description: BMS-863233, also known as XL-413, is an orally bioavailable cell division cycle 7 homolog (CDC7) kinase inhibitor with potential antineoplastic activity. CDC7 kinase inhibitor BMS-863233 binds to and inhibits the activity of CDC7, which may result in the inhibition of DNA replication and mitosis, the induction of tumor cell apoptosis, and the inhibition of tumor cell proliferation in CDC7-overexpressing tumor cells.

