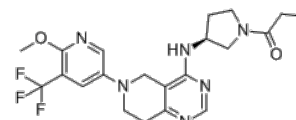


<b>Product Name</b>	: Leniolisib
<b>Cat. No.</b>	: PC-45394
<b>CAS No.</b>	: 1354690-24-6
<b>Molecular Formula</b>	: C <sub>21</sub> H <sub>25</sub> F <sub>3</sub> N <sub>6</sub> O <sub>2</sub>
<b>Molecular Weight</b>	: 450.4574
<b>Target</b>	: PI3K
<b>Solubility</b>	: DMSO: ≥150 mg/mL



2. Rao VK, et al. *Blood*. 2017 Nov 23;130(21):2307-2316.

## Biological Activity

Leniolisib (CDZ173) is a potent and selective **PI3Kδ** inhibitor with biochemical IC<sub>50</sub> of 11 nM. Leniolisib (CDZ173) displays >20-fold, 40-fold, and 200-fold selectivity over PI3Kα, PI3Kβ, and PI3Kγ, respectively. Leniolisib (CDZ173) shows 30-fold cellular selectivity over PI3Kα; inhibits a large spectrum of immune cell functions, as demonstrated in B and T cells, neutrophils, monocytes, basophils, plasmacytoid dendritic cells, and mast cells in vitro. Leniolisib (CDZ173) potently inhibits antigen-specific antibody production and reduces disease symptoms in a rat collagen-induced arthritis model.

## References

Klemens Hoegenauer, et al. *ACS Med. Chem. Lett.* DOI: 10.1021/acsmchemlett.7b00293

