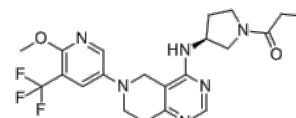


**Product Name** : Leniolisib  
**Cat. No.** : PC-45394  
**CAS No.** : 1354690-24-6  
**Molecular Formula** : C<sub>21</sub>H<sub>25</sub>F<sub>3</sub>N<sub>6</sub>O<sub>2</sub>  
**Molecular Weight** : 450.4574  
**Target** : PI3K  
**Solubility** : DMSO: ≥150 mg/mL



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/acsmedchemlett.7b00293

