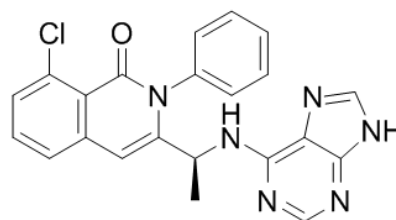


**Product Name** : Duvelisib  
**Cat. No.** : PC-45169  
**CAS No.** : 1201438-56-3  
**Molecular Formula** : C<sub>22</sub>H<sub>17</sub>ClN<sub>6</sub>O  
**Molecular Weight** : 416.863  
**Target** : PI3K  
**Solubility** : DMSO: ≥ 41 mg/mL



### Biological Activity

Duvelisib (IPI-145, INK-1197) is a potent, selective **PI3Kδ/γ** inhibitor with K<sub>i</sub> of 23 pM/243 pM, IC<sub>50</sub> of 1 nM/50 nM.

Duvelisib (IPI-145, INK-1197) displays high selectivity for PI3K δ/γ than other protein kinases.

Duvelisib (IPI-145, INK-1197) exerts profound effects on adaptive and innate immunity by inhibiting B and T cell proliferation, blocking neutrophil migration, and inhibiting basophil activation.

Duvelisib (IPI-145, INK-1197) exhibits potent activity in collagen-induced arthritis, ovalbumin-induced asthma, and systemic lupus erythematosus rodent models.

### References

Winkler DG, et al. *Chem Biol*. 2013 Nov 21;20(11):1364-74.

Boyle DL, et al. *J Pharmacol Exp Ther*. 2014 Feb;348(2):271-80.

Dong S, et al. *Blood*. 2014 Dec 4;124(24):3583-6.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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