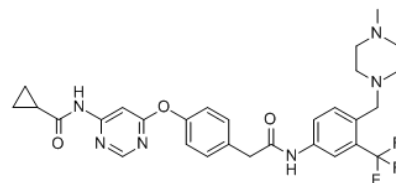


**Product Name** : WS6  
**Cat. No.** : PC-43043  
**CAS No.** : 1421227-53-3  
**Molecular Formula** : C<sub>29</sub>H<sub>31</sub>F<sub>3</sub>N<sub>6</sub>O<sub>3</sub>  
**Molecular Weight** : 568.59  
**Target** : IκB kinase (IKK)  
**Solubility** : 10 mM in DMSO



### Biological Activity

WS6 is a small molecule that can induce proliferation of β cells with EC<sub>50</sub> of 0.28 μM, also is a selective proliferation-associated 2G4 (**PA2G4**) inhibitor, interferes with PA2G4-MYCN binding.

WS6 promotes β cell growth in vivo, increasing β cell mass and normalizing blood glucose in the RIP-DTA mouse model of β cell ablation.

WS6 acts by inhibiting **IKKε** and blocking the ability of EBP1 to suppress E2F-mediated transcription;

WS6 also stimulates α cell proliferation in human pancreatic islets.

WS6 depletes EVI1 and MYC signaling and blocks 3q26 AML in vivo

### References

Swoboda JG, et al. ACS Chem Biol. 2013 Jul 19;8(7):1407-11.

Shen W, et al. J Am Chem Soc. 2013 Feb 6; 135(5):1669-72.

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

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