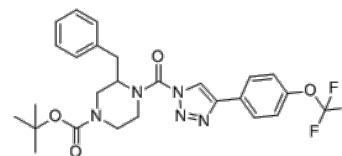


**Product Name** : DAGL inhibitor DO34  
**Cat. No.** : PC-61837  
**CAS No.** : 1848233-58-8  
**Molecular Formula** : C<sub>26</sub>H<sub>28</sub>F<sub>3</sub>N<sub>5</sub>O<sub>4</sub>  
**Molecular Weight** : 531.53  
**Target** : Diacylglycerol Lipase (DAGL)  
**Solubility** : 10 mM in DMSO



## Biological Activity

DAGL inhibitor DO34 is a highly potent dual **DAGL $\alpha$ / $\beta$**  inhibitor with IC<sub>50</sub> of 6 nM 3-8 nM, respectively. DO34 shows excellent selectivity for DAGLs with the only detectable serine hydrolase off-targets being ABHD6 and PLA2G7. DO34 significantly decreases whole brain levels of 2-AG, anandamide, and arachidonic acid in the mouse LPS inflammatory pain model.

## References

- Ogasawara D, et al. *Proc Natl Acad Sci U S A*. 2016 Jan 5;113(1):26-33.  
Deng H, et al. *J Med Chem*. 2017 Jan 12;60(1):428-440.  
Wilkerson JL, et al. *J Pharmacol Exp Ther*. 2017 Oct 2. pii: jpet.117.243808.

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

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