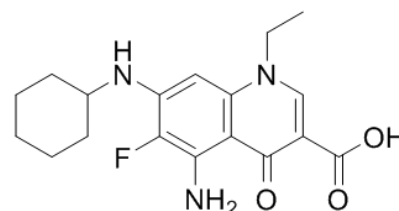


**Product Name** : AS1842856  
**Cat. No.** : PC-42208  
**CAS No.** : 836620-48-5  
**Molecular Formula** : C<sub>18</sub>H<sub>22</sub>FN<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 347.384  
**Target** : Foxo1  
**Solubility** :



### Biological Activity

AS1842856 is a novel transcription factor **Foxo1** inhibitor that potently and selectively inhibits Foxo1-mediated transactivation with IC<sub>50</sub> of 33 nM, with no significant activity on Foxo3a and Foxo4.

AS1842856 reduces glucose production through the inhibition of G6pase and phosphoenolpyruvate carboxykinase (PEPCK) mRNA levels in a rat hepatic cell line.

AS1842856 decreases fasting plasma glucose level in diabetic db/db mice.

### References

Nagashima T, et al. *Mol Pharmacol*. 2010 Nov;78(5):961-70.

Diep CH, et al. *Cell Cycle*. 2013 May 1;12(9):1433-49.

Savai R, et al. *Nat Med*. 2014 Nov;20(11):1289-300.

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

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