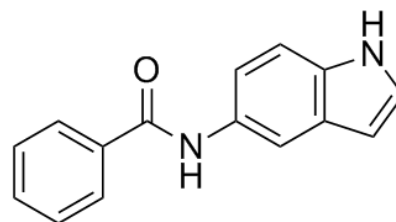


**Product Name** : OAC2  
**Cat. No.** : PC-43282  
**CAS No.** : 6019-39-2  
**Molecular Formula** : C<sub>15</sub>H<sub>12</sub>N<sub>2</sub>O  
**Molecular Weight** : 236.2686  
**Target** : Oct3/4  
**Solubility** : DMSO: ≥ 2.4 mg/mL



### Biological Activity

Oct4-activating compound 2 (OAC2) is a small molecule **Oct4**-activating compound, enhances the iPSC reprogramming efficiency and accelerates the reprogramming process.

OAC2 activates Oct4 and Nanog promoter-driven reporters in triplicate luciferase reporter assays, activates endogenous Oct4, Nanog, Sox2, and Tet1 expression.

OAC2 enhances reprogramming about fourfold at day 8 at 1 uM in iSF1 for the generation of mouse iPSCs.

### References

Li W, et al. *Proc Natl Acad Sci U S A*. 2012 Dec 18;109(51):20853-8.

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

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