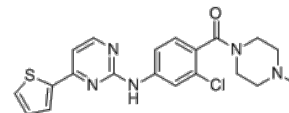


**Product Name** : GSK3 $\beta$ -IN-1a  
**Cat. No.** : PC-62069  
**CAS No.** : 1139875-74-3  
**Molecular Formula** : C<sub>20</sub>H<sub>20</sub>ClN<sub>5</sub>OS  
**Molecular Weight** : 413.924  
**Target** : GSK-3  
**Solubility** : 10 mM in DMSO



## Biological Activity

GSK3 $\beta$ -IN-1a (GSK-3 $\beta$  inhibitor 8) is a relatively selective and potent **GSK-3 $\beta$**  inhibitor with IC<sub>50</sub> of 64 nM. GSK3 $\beta$ -IN-1a (GSK-3 $\beta$  inhibitor 8) induces replication of growth-arrested R7T1  $\beta$  cells in a dose-dependent manner with EC<sub>50</sub> of 1.1  $\mu$ M, likely mediates  $\beta$ -cell proliferation through the Wnt signaling pathway.

## References

Wang W, et al. *Proc Natl Acad Sci U S A*. 2009 Feb 3;106(5):1427-32.

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

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