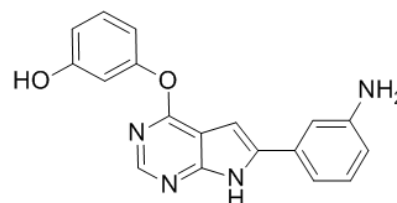


**Product Name** : TWS119  
**Cat. No.** : PC-42674  
**CAS No.** : 601514-19-6  
**Molecular Formula** : C<sub>18</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 318.3293  
**Target** : GSK-3  
**Solubility** : 10 mM in DMSO



## Biological Activity

A GSK-3 $\beta$  inhibitor with IC<sub>50</sub> of 30 nM in a cell-free assay; can induce neurogenesis in murine ESCs; reduces Cdon levels and aberrant Cx43 activities in rat cardiomyocytes; attenuates rtPA-induced hemorrhagic transformation and activates the Wnt/ $\beta$ -catenin signaling pathway after acute ischemic stroke in rats.

## References

Ding S, et al. Proc Natl Acad Sci U S A. 2003 Jun 24;100(13):7632-7.

Wang W, et al. Mol Neurobiol. 2016 Dec;53(10):7028-7036.

Jeong MH, et al. Proc Natl Acad Sci U S A. 2017 Feb 21;114(8):E1345-E1354.

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

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