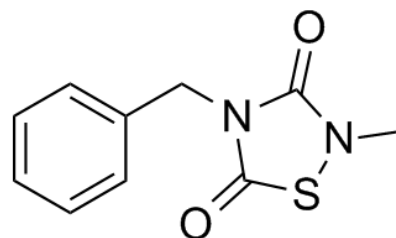


**Product Name** : TDZD-8  
**Cat. No.** : PC-42787  
**CAS No.** : 327036-89-5  
**Molecular Formula** : C<sub>10</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>S  
**Molecular Weight** : 222.2636  
**Target** : GSK-3  
**Solubility** : 10 mM in DMSO



### Biological Activity

TDZD-8 (GSK-3 $\beta$  Inhibitor I, NP 01139) is a potent, selective, non-ATP competitive **GSK-3 $\beta$**  inhibitor with IC<sub>50</sub> of 2  $\mu$ M. TDZD-8 displays no activity against PKA, CK-2, PKC, and CDK1 (IC<sub>50</sub>>100  $\mu$ M). TDZD-8 reduces the colonic inflammation induced by TNBS in vivo, also prevents 6-OHDA-induced neuronal cell death.

### References

- Martinez A, et al. *J Med Chem*. 2002 Mar 14;45(6):1292-9.  
Whittle BJ, et al. *Br J Pharmacol*. 2006 Mar;147(5):575-82.  
Dugo L, et al. *Crit Care Med*. 2005 Sep;33(9):1903-12.

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

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