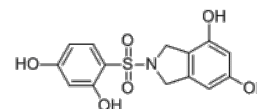


**Product Name** : PS10  
**Cat. No.** : PC-63500  
**CAS No.** : 1564265-82-2  
**Molecular Formula** : C<sub>14</sub>H<sub>13</sub>NO<sub>6</sub>S  
**Molecular Weight** : 323.319  
**Target** : Pyruvate Dehydrogenase Kinase (PDK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

PS10 (PDK inhibitor PS10) is a novel potent and highly selective **pyruvate dehydrogenase kinase** (PDK) inhibitor with IC<sub>50</sub> values of 0.8 μM, 0.76 μM, 2.1 μM and 21.3 μM for PDK2, PDK4, PDK1, and PDK3, respectively.

PS10 improved glucose tolerance, stimulates myocardial carbohydrate oxidation in diet-induced obesity.

PS10 is a more suitable PDK inhibitor for treatment of diabetic cardiomyopathy.

## References

Wu CY, et al. *J Biol Chem*. 2018 May 8. pii: jbc.RA118.002838.

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

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