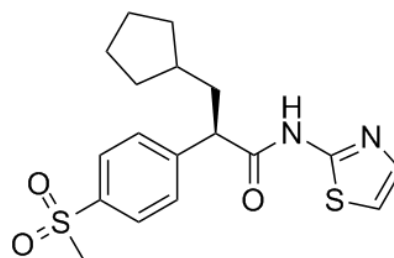


**Product Name** : Ro 28-1675  
**Cat. No.** : PC-42677  
**CAS No.** : 300353-13-3  
**Molecular Formula** : C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 378.5089  
**Target** : Glucokinase  
**Solubility** : 10 mM in DMSO  
4. Assefa Z, et al. PLoS One. 2014 Jan 9;9(1):e85174.



### Biological Activity

A potent, allosteric activator of Glucokinase (GK) with SC1.5 of 0.24  $\mu$ M; augments both hepatic glucose metabolism and glucose-induced insulin secretion from isolated rodent pancreatic islets; lowers blood glucose levels and increases hepatic glucose uptake in rodent models of type 2 diabetes mellitus.

Diabetes

Preclinical

### References

Grimsby J, et al. Science. 2003 Jul 18;301(5631):370-3.

Haynes NE, et al. J Med Chem. 2010 May 13;53(9):3618-25.

McKerrecher D, Bioorg Med Chem Lett. 2005 Apr 15;15(8):2103-6.et al.

