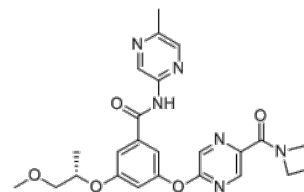


**Product Name** : AZD1656  
**Cat. No.** : PC-49824  
**CAS No.** : 919783-22-5  
**Molecular Formula** : C<sub>24</sub>H<sub>26</sub>N<sub>6</sub>O<sub>5</sub>  
**Molecular Weight** : 478.51  
**Target** : Glucokinase  
**Solubility** : 10 mM in DMSO



## Biological Activity

AZD1656 (AZD-1656) is a potent, selective and orally active glucokinase (GK) activator with EC<sub>50</sub> of 57 and 72 nM for human and rat GK, respectively.

AZD1656 displays >100-fold versus hexokinase 1 and hexokinase2 in a pharmacology screening panel.

AZD1656 reduced plasma glucose levels in a dose-dependent fashion. with a rapid onset of action, in normo-glycaemic insulin resistant rats and diabetic mice.

## References

Norjavaara E, et al. J Clin Endocrinol Metab. 2012 Sep;97(9):3319-25.

Morrow LA, et al. Diabetes Obes Metab. 2012 Dec;14(12):1114-22.

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

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