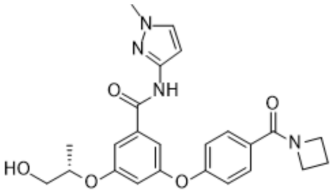
AZD1092

Cat. No.:	HY-121070
CAS No.:	871656-65-4
Molecular Formula:	$C_{24}H_{26}N_4O_5$
Molecular Weight:	450.49
Target:	Glucokinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AZD1092 is an orally active glucokinase (GK) activator with an EC_{50} value of 0.03 μM. AZD1092 can be used for the research of Type 2 Diabetes (T2D)[1].
IC_{50} & Target	EC50: 0.03 μM (glucokinase)[1]
In Vitro	AZD1092 has activity for glucokinase with an EC_{50} value of 0.03 μM[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	AZD1092 (oral; 1, 3, 10 mg/kg) exhibits dose dependent reduction of glucose excursion and has glucose lowering efficacy in Zucker rats[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Female Zucker rats[1]
Dosage:	1, 3, 10 mg/kg
Administration:	Oral
Result:	Exhibited dose dependent reduction of glucose excursion in oral glucose tolerance tests in high fat fed female Zucker rats and glucose lowering efficacy in free feeding glucose profiles in male Zucker rats.

REFERENCES

[1]. Michael J. Waring, et al. Matrix-based multiparameter optimisation of glucokinase activators: the discovery of AZD1092. Med. Chem. Commun., 2011, 2, 775.

Caution: Product has not been fully validated for medical applications. For research use only.

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