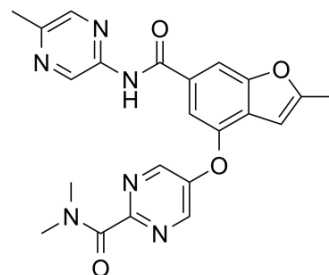


## PF-04937319

Cat. No.:	HY-108328		
CAS No.:	1245603-92-2		
Molecular Formula:	C <sub>22</sub> H <sub>20</sub> N <sub>6</sub> O <sub>4</sub>		
Molecular Weight:	432.43		
Target:	Glucokinase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

PF-04937319 is a glucokinase activator (GKA) with EC<sub>50</sub> value of 154.4 μM, one of the most promising strategies for the treatment of type 2 diabetes mellitus<sup>[1]</sup>. PF-04937319 is designed to maintain glucose-lowering efficacy while mitigating the risk of hypoglycaemia observed with many other GKAs<sup>[2]</sup>.

#### IC<sub>50</sub> & Target

EC<sub>50</sub>: 154.4 μM (GSA) (PF-04937319)<sup>[1]</sup>

### REFERENCES

[1]. Dzyurkevich MS, et al. Pyridoxine dipharmacophore derivatives as potent glucokinase activators for the treatment of type 2 diabetes mellitus. *Sci Rep.* 2017 Nov 22;7(1):16072.

[2]. Amin NB, et al. Two dose-ranging studies with PF-04937319, a systemic partial activator of glucokinase, as add-on therapy to metformin in adults with type 2 diabetes. *Diabetes Obes Metab.* 2015 Aug;17(8):751-9.

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

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