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Data Sheet

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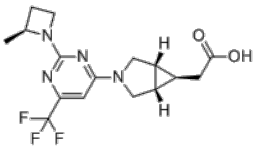
Product Name	:	PF-06835919
Cat. No.	:	PC-38248
CAS No.	:	2102501-84-6
Molecular Formula	:	$C_{16}H_{19}F_3N_4O_2$
Molecular Weight	:	356.349
Target	:	Other Targets
Solubility	:	10 mM in DMSO



Biological Activity

PF-06835919 (PF 06835919) is a first-in-class, potent, selective **Ketohexokinase (KHK**) inhibitor with IC50 of 10 nM (hKHK).
PF-06835919 showed a 6-fold higher IC50 value against human KHK-A relative to human KHK-C while inhibiting rat KHK with an IC50 of 0.21 uM.
PF-06835919 exhibited a clean off-target selectivity profile as assessed by the CEREP panel at 30 uM.
Inhibition of KHK via PF-06835919 in rats prevented hyperinsulinemia and hypertriglyceridemia from fructose feeding.
PF-06835919 reversed metabolic dysfunction as rats fed the American diet developed hyperinsulinemia, hypertriglyceridemia, and hepatic steatosis.

References

Futatsugi K, et al. J ***Med Chem.*** 2020 Nov 25;63(22):13546-13560.

Gutierrez JA, et al. ***Mol Metab.*** 2021 Jun;48:101196.

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