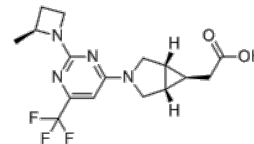


Product Name : PF-06835919
Cat. No. : PC-38248
CAS No. : 2102501-84-6
Molecular Formula : C₁₆H₁₉F₃N₄O₂
Molecular Weight : 356.349
Target : Other Targets
Solubility : 10 mM in DMSO



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 μM.

PF-06835919 exhibited a clean off-target selectivity profile as assessed by the CEREP panel at 30 μM.

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.

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

E-mail: tech@probechem.com