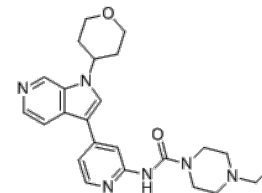


Product Name : GNF2133
Cat. No. : PC-72351
CAS No. : 2561414-56-8
Molecular Formula : C₂₄H₃₀N₆O₂
Molecular Weight : 434.544
Target : DYRK
Solubility : 10 mM in DMSO



Biological Activity

GNF2133 (GNF-2133) is a potent and selective **DYRK1A** inhibitor with IC₅₀ of 6 nM, without inhibitory effect on GSK3β. In vitro, GNF2133 is able to proliferate both rodent and human β-cells.

In vivo, GNF2133 demonstrated significant dose-dependent glucose disposal capacity and insulin secretion in response to glucose-potentiated arginine-induced insulin secretion (GPAIS) challenge in rat insulin promoter and diphtheria toxin A (RIP-DTA) mice.

References

Yahu A Liu, et al. *J Med Chem*. 2020 Mar 26;63(6):2958-2973.

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

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