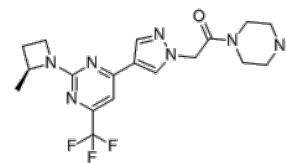


Product Name : LY3522348
Cat. No. : PC-21410
CAS No. : 2568608-48-8
Molecular Formula : C₁₈H₂₂F₃N₇O
Molecular Weight : 409.42
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 2568608-48-8

Biological Activity

LY3522348 is a potent, highly selective, oral dual inhibitor of human **ketohexokinase** isoforms C and A (hKHK-C, hKHK-A) with IC₅₀ of 20 nM and 24 nM, respectively.

LY3522348 potently inhibits mouse KHK-A and KHK-C enzymes with IC₅₀ of 14 nM and 20 nM, respectively, exhibits IC₅₀ of 41 nM in cell assay expressing hKHK.

LY3522348 shows no concerning cross-reactivity in a panel of 468 kinases as well as common profiling targets such as hERG.

LY3522348 (30-100 mg/kg PO) displays a robust pharmacodynamic response in a mouse model of fructose metabolism.

References

Durham TB, et al. *J Med Chem*. 2023 Nov 22. doi: 10.1021/acs.jmedchem.3c01410.

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

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