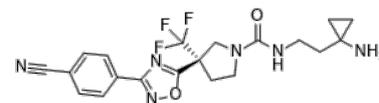


Product Name : JN-170
Cat. No. : PC-25027
CAS No. : 3032920-98-9
Molecular Formula : C₂₀H₂₁F₃N₆O₂
Molecular Weight : 434.42
Target : Monoamine Transporter
Solubility : 10 mM in DMSO



CAS: 3032920-98-9

Biological Activity

JN-170 is a highly selective, first-in-class, orally bioavailable inhibitor of **SLC6A19** (BOAT1) with IC₅₀ of 97 nM against mouse SLC6A19 in the isoleucine transport assay, > 10-fold less potent against human SLC6A19 (IC₅₀=1.25 μM). JN-170 (50 -250 mg/kg, oral) caused a dose-dependent increase in urinary amino acid excretion in WT C57Bl/6J mice. JN-170 significantly drove reductions in plasma Phe in an exposure-related manner.

References

Wobst HJ, et al. *JCI Insight*. 2024 Nov 8;9(21):e182876.

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

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