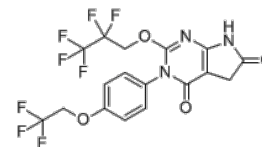


Product Name : Compound-326
Cat. No. : PC-63355
CAS No. : 1236767-85-3
Molecular Formula : C₁₇H₁₁F₈N₃O₄
Molecular Weight : 473.279
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Compound-326 (D5D inhibitor 326, D5D-IN-326) is a potent, selective, orally active **delta-5 desaturase** (D5D, **FADS1**/Fatty Acid Desaturase 1) with IC₅₀ of 72 and 22 nM for rat and human D5D, respectively.

Compound-326 shows no inhibition for both rat and human D6D and D9D activity.

Compound-326 lowers insulin resistance and caused body weight loss without significant impact on cumulative calorie intake in high-fat diet-induced obese (DIO) mouse model.

References

Yashiro H, et al. *PLoS One*. 2016 Nov 10;11(11):e0166198.

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

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