

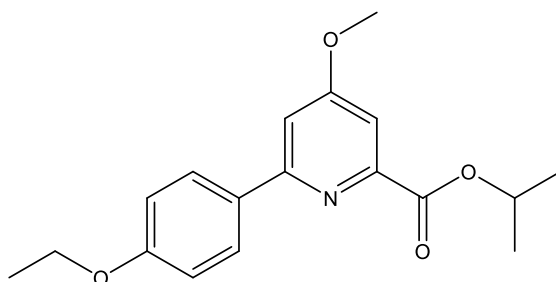
Catalog # 10-4626

NG-497

CAS# 2598242-66-9

Isopropyl 6-(4-ethoxyphenyl)-4-methoxypicolinate

Lot # FBA8037



NG-497 is the first small molecule inhibitor ($IC_{50} = 1 \mu M$) of human and rhesus monkey adipose triglyceride lipase (ATGL). It is inactive against mouse, rat, goat, pig, dog, and marmoset ATGL orthologues. Of the eight enzymes expressed by humans in the patatin-like phospholipase domain-containing (PNPLA) protein family, NG-497 was selective for PNPLA 2 (ATGL). NG-497 was also inactive against HSL, CES2, LPL, and HL. Reversible and non-toxic.

1) Grabner *et al.* (2022), *Small-Molecule Inhibitors Targeting Lipolysis in Human Adipocytes*; J. Am. Chem. Soc. **144** 6237

PHYSICAL DATA

Molecular Weight: 315.37
Molecular Formula: $C_{18}H_{21}NO_4$
Purity: >98% by HPLC
NMR: (Conforms)
Solubility: DMSO (25 mg/mL with warming); Ethanol (20 mg/mL)
Physical Description: White to off-white solid
Storage and Stability: Store as supplied at $-20^{\circ}C$ for up to 2 years from the date of purchase. Solutions in DMSO may be stored at $-20^{\circ}C$ for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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