



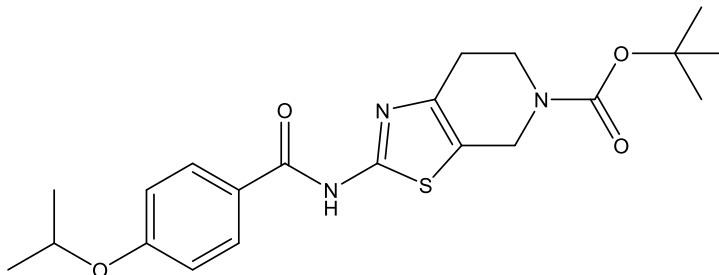
Catalog # 10-4439

Autogramin-2

CAS# 2375541-45-8

t-Butyl 2-[(4-propan-2-yloxybenzoyl)amino]-6,7-dihydro-4H-[1,3]thiazolo[5,4-c]pyridine-5-carboxylate

Lot # FBA7085



Autogramin-2 is an inhibitor of autophagy (autophagy induced by amino acid starvation $IC_{50} = 270$ nM; Rapamycin $IC_{50} = 140$ nM) acting *via* selective targeting of the cholesterol transfer protein GRAM domain-containing protein 1A (GRAMD1A). Autogramin-2 inhibition of GRAMD1A inhibits biogenesis of the autophagosome.

- 1) Laraia *et al.* (2019), *The cholesterol transfer protein GRAMD1A regulates autophagosome biogenesis*; Nat. Chem. Biol., **15** 710

PHYSICAL DATA

Molecular Weight:	417.53
Molecular Formula:	C ₂₁ H ₂₇ N ₃ O ₄ S
Purity:	>98% by HPLC NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml) or Ethanol (up to 25 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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