

Autogramin-2, GRAMD1A inhibitor

Catalog	Unit
TBI4439-5MG	5 mg
TBI4439-25MG	25 mg

Product Details

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

Molecular Formula: C₂₁H₂₇N₃O₄S

Formula Weight: 417.50

CAS Number: 2375541-45-8

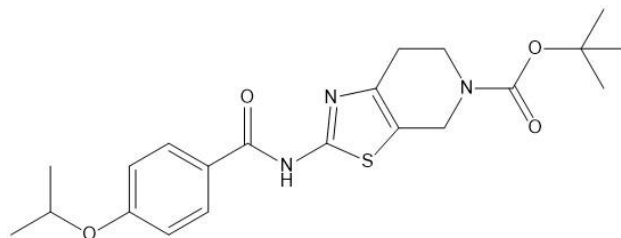
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml) or in Ethanol (25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

GRAMD1A inhibitor

Functions

Inhibitor of autophagy (autophagy induced by amino acid starvation IC₅₀ = 270 nM; Rapamycin IC₅₀ = 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.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml) or in Ethanol (25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.