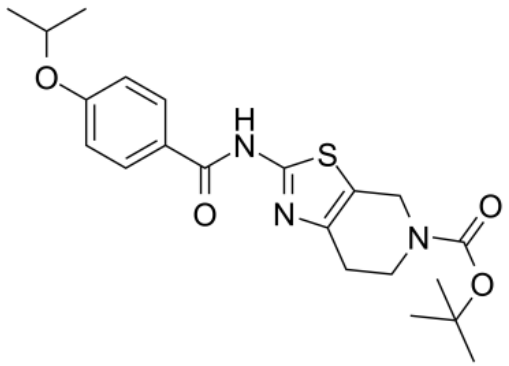
Product Data Sheet

Product Name: Autogramin-2
Cat. No.: GC35434

Chemical Properties

Cas. No.	2375541-45-8		
SMILES	O=C(NC1=NC(CCN(C(OC(C)(C)C)=O)C2)=C2S1)C3=CC=C(OC(C)C)C=C3		
Formula	$C_{21}H_{27}N_3O_4S$	M.Wt	417.52
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Autogramin-2 potently inhibits autophagy induced by either starvation (IC50=0.27 μM) or mTORC1

inhibition (Rapamycin; IC50=0.14 μM)[1].

[1]. Laraia L, et al. The cholesterol transfer protein GRAMD1A regulates autophagosome biogenesis. Nat Chem Biol. 2019 Jul;15(7):710-720.