

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

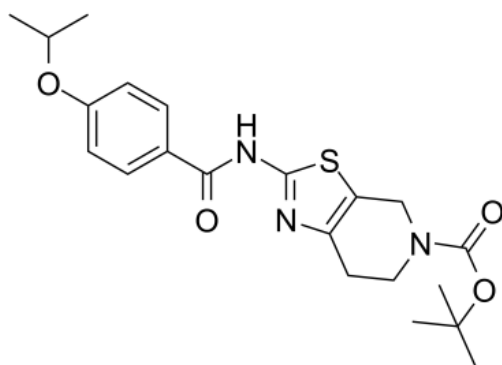
Formula $C_{21}H_{27}N_3O_4S$ M.Wt 417.52

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

Caution: Product has not been fully validated for medical applications. For research use only.

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

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

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