

CAY10736 biochemical

CAY10736

CATALOG #
AAA227162

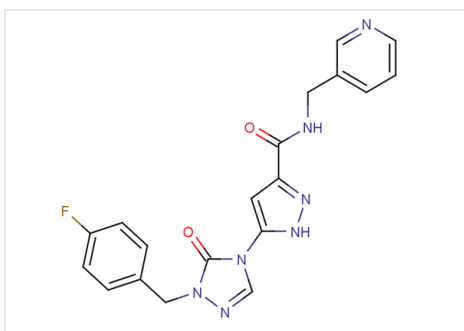
PRODUCT SYNONYMS

CAY10736; SCD1 inhibitor 17a; SCD1-IN-3; CAY10736 biochemical

PRODUCT SPECIFICATIONS

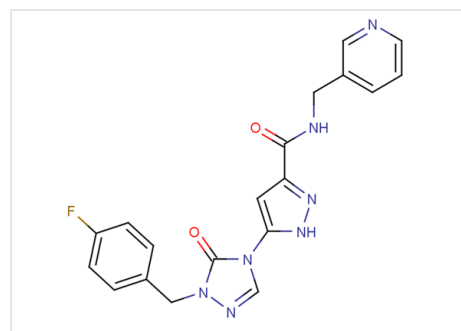
Purity/Purification	98%
Solubility	Chloroform: Soluble
	Ethanol: Soluble
	<1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years
	In solvent: -80 degree C for 2 years

IMAGES



Structure

SCD1 inhibitor-3, CAS 1282606-48-7



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ADDITIONAL INFORMATION

Related Product Information for CAY10736 biochemical	CAY10736 is an anticancer compound. ¹ It inhibits proliferation in a panel of melanoma and breast, pancreatic, and lung cancer cell lines (IC50s = 0.827-9.89 uM). CAY10736 inhibits migration and epithelial-to-mesenchymal transition (EMT) of A375 and B16/F10 melanoma cells in vitro in a concentration-dependent manner. It reduces the viability of spheroid A375 and B16/F10 cells (IC50s = 2.4 and 1.59 uM, respectively) and increases the production of reactive oxygen species (ROS) in these cells in a concentration-dependent manner. CAY10736 (5 mg/kg) reduces tumor growth in B16/F10 melanoma and Lewis lung carcinoma mouse models and an A375 mouse xenograft model.
Product Categories/Family for CAY10736 biochemical	Metabolism
References	1. Sun S, et al. Discovery of triazolone derivatives as novel, potent stearyl-CoA desaturase-1 (SCD1) inhibitors. Bioorg Med Chem. 2015;23(3):455-465.

NCBI AND UNIPROT INFORMATION

Molecular Weight	393.37
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/cay10736/227162>