
Product Data Sheet

Product Name: ZQ 16
Cat. No.: GC50313

Chemical Properties

Cas. No. 376616-73-8

SMILES CCCCCSC1=NC(O)=CC(N1)=O

Formula C10H16N2O2S

M.Wt 228.31

Solubility DMSO : 25 mg/mL (109.50 mM; ultrasonic and warming and heat to 60°C)

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

Selective medium-chain free fatty acid receptor GPR84 agonist (EC50 = 139 nM).

Exhibits no response at GPR40, GPR41, GPR119 or GPR120 at 100 μM. Activates calcium mobilization, inhibits cAMP accumulation, and induces ERK1/2 phosphorylation, receptor desensitization and internalization in vitro.

Liu et al (2016) Design and synthesis of 2-alkylpyrimidine-4,6-diol and 6-alkylpyridine-2,4-diol as potent GPR84 agonists. ACS Med.Chem.Lett. 7 579 PMID:27326330 |Zhang et al (2016) Discovery and characterization of a novel small-molecule agonist for medium-chain free fatty acid receptor G protein-coupled receptor 84. J.Pharmacol.Exp.Ther. 357 337 PMID:26962172

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

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