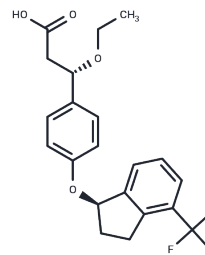


DS-1558

Chemical Properties

CAS No. : 1202575-67-4
 Formula: C₂₁H₂₁F₃O₄
 Molecular Weight: 394.38
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	DS-1558 is a potent and orally available GPR40 agonist. DS-1558 was found to have potent glucose lowering effects during an oral glucose tolerance test in ZDF rats. DS-1558 significantly and dose-dependently improved hyperglycemia and increased insulin secretion during the oral glucose tolerance test in Zucker fatty rats, the model of insulin resistance and glucose intolerance. DS-1558 not only increased the glucose-stimulated insulin secretion by GLP-1 but also potentiated the maximum insulinogenic effects of GLP-1 after an intravenous glucose injection in normal Sprague Dawley rats.
Targets(IC50)	Others, GRK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5356 mL	12.6781 mL	25.3563 mL
5 mM	0.5071 mL	2.5356 mL	5.0713 mL
10 mM	0.2536 mL	1.2678 mL	2.5356 mL
50 mM	0.0507 mL	0.2536 mL	0.5071 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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