

LY2881835

Chemical Properties

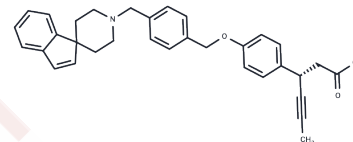
CAS No. : 1292290-38-0

Formula: C₃₃H₃₃NO₃

Molecular Weight: 491.62

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	LY2881835 is a potent and selective GPR40 agonist.
Targets(IC50)	GPCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0341 mL	10.1705 mL	20.3409 mL
5 mM	0.4068 mL	2.0341 mL	4.0682 mL
10 mM	0.2034 mL	1.017 mL	2.0341 mL
50 mM	0.0407 mL	0.2034 mL	0.4068 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.

Reference

Hamdouchi C, et al. The Discovery, Preclinical, and Early Clinical Development of Potent and Selective GPR40 Agonists for the Treatment of Type 2 Diabetes Mellitus (LY2881835, LY2922083, and LY2922470). *J Med Chem.* 2016;59(24):10891-10916.

Chen Y, Song M, Riley JP, Hu CC, Peng X, Scheuner D, Bokvist K, Maiti P, Kahl SD, Montrose-Rafizadeh C, Hamdouchi C, Miller AR. A selective GPR40 (FFAR1) agonist LY2881835 provides immediate and durable glucose control in rodent models of type 2 diabetes. *Pharmacol Res Perspect.* 2016 Nov 21;4(6):e00278.

Krasavin M, Lukin A, Bagnyukova D, Zhurilo N, Golovanov A, Zozulya S, Zahanich I, Moore D, Tikhonova IG. Polar aromatic periphery increases agonist potency of spirocyclic free fatty acid receptor (GPR40) agonists inspired by LY2881835. *Eur J Med Chem.* 2017 Feb 15;127:357-368.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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