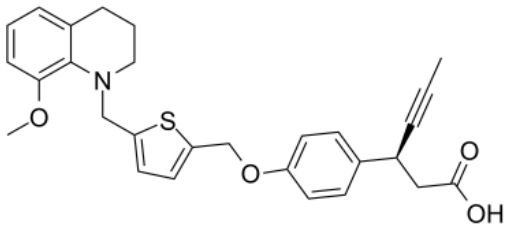
Product Data Sheet

Product Name: LY2922470
Cat. No.: GC36507

Chemical Properties

Cas. No.	1423018-12-5		
SMILES	COC1=C(N(CC2=CC=C(COC3=CC=C([C@@H](C#CC)CC(O)=O)C=C3)S2)CCC4)C4=CC=C1		
Formula	$C_{28}H_{29}NO_4S$	M.Wt	475.6
Solubility	DMSO: ≥ 125 mg/mL (262.83 mM)	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

LY2922470 is a potent, selective and orally available agonist of the G protein-coupled receptor 40 (GPR40), with EC50s of 7 nM, 1 nM and 3 nM for human GPR40, mouse GPR40 and rat GPR40, respectively. LY2922470 reduces glucose levels along with significant increases in insulin and GLP-1, is potential for the treatment of type 2 diabetes mellitus (T2DM)[1]. EC50:7 nM (human GPR40), 1 nM (mouse GPR40), 3 nM (rat GPR40)[1]

Caution: Product has not been fully validated for medical applications. For research use only.
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[1]. 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 Dec 22;59(24):10891-10916.

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