

Product Data Sheet

Product Name: LY518674

Cat. No.: GC39399

Chemical Properties

Cas. No. 425671-29-0

SMILES CC(C)(OC1=CC=C(CCCC2=NC(N(CC3=CC=C(C)C=C3)N2)=O)C=C1)C(O)=O

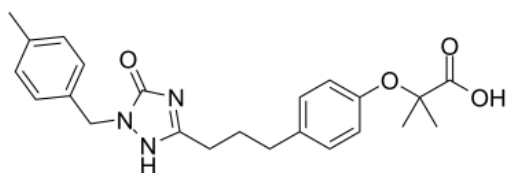
Formula $C_{23}H_{27}N_3O_4$ M.Wt 409.48

Solubility DMSO: 250 mg/mL (610.53 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

LY518674 is a potent, selective PPAR α antagonist, with an EC₅₀ of 42 nM for human PPAR α . LY518674 reduces triglycerides in and increased HDL-C and is used for the treatment of atherosclerosis[1][2][3].

[1]. Bravo Y, et al. Identification of the first potent, selective and bioavailable PPAR α antagonist. Bioorg Med Chem Lett. 2014 May 15;24(10):2267-72. [2]. Nissen SE, et al. Effects of a potent and selective PPAR-alpha agonist in patients with atherogenic dyslipidemia or hypercholesterolemia: two

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

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randomized controlled trials. JAMA. 2007 Mar 28;297(12):1362-73. [3]. Khera AV, et al. Potent peroxisome proliferator-activated receptor- α agonist treatment increases cholesterol efflux capacity in humans with the metabolic syndrome. Eur Heart J. 2015 Nov 14;36(43):3020-2.

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