

LY2608204

Catalog No: tcsc1281



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

1234703-40-2

Formula:

$C_{28}H_{37}N_3O_3S_3$

Pathway:

Metabolic Enzyme/Protease

Target:

Glucokinase

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

559.81

Product Description

LY2608204 is a activator of glucokinase (GK) with EC50 of 42 nM.

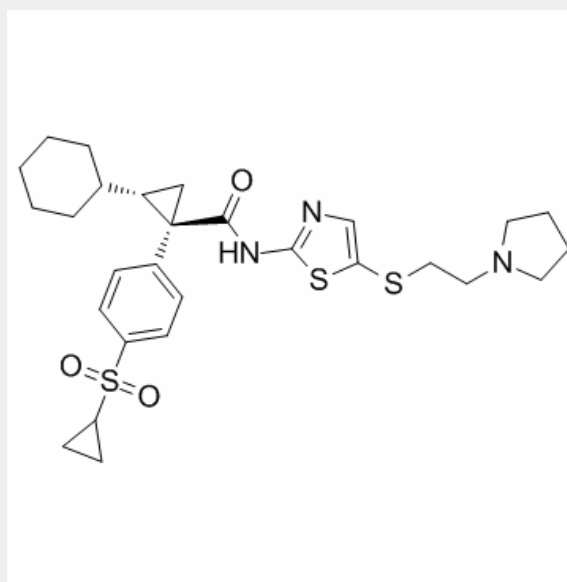
IC 50 value: 42 nM (EC50)

Target: glucokinase

in vitro: LY2608204 activates glucokinase (GK) with EC₅₀ of 42 nM at 10 mM glucose with a concentration dependent manner at lower glucose concentrations. LY2608204 also stimulates glucose metabolism in rat insulinoma INS1-E cells with EC₅₀ of 579 nM.

in vivo: LY2608204 decreases plasma glucose in a dose-dependent manner at both fasted and postprandial glucose levels. A maximal lowering of glucose AUC versus the untreated control group is observed with the high dose (30 mg/kg) and represents a 42% decrease. Interpolation of the data show that a 20% glucose AUC decrease occurs at an average LY2608204 concentration of 99 ng/mL (179 nM) in plasma, corresponding to a 6.9 mg/kg LY2608204 dose. The in vivo blood brain barrier permeability of LY2608204 results in a mean brain/plasma ratio of 0.17 five minutes post-dose with a mean total brain level of 0.539 nmol/g.

Clinical trail:



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!