

Ro 28-1675

Catalog No: tcsc2016



Available Sizes

Size: 5mg

Size: 10mg



Specifications

CAS No:

300353-13-3

Formula:

$C_{18}H_{22}N_2O_3S_2$

Pathway:

Metabolic Enzyme/Protease

Target:

Glucokinase

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

378.51

Product Description

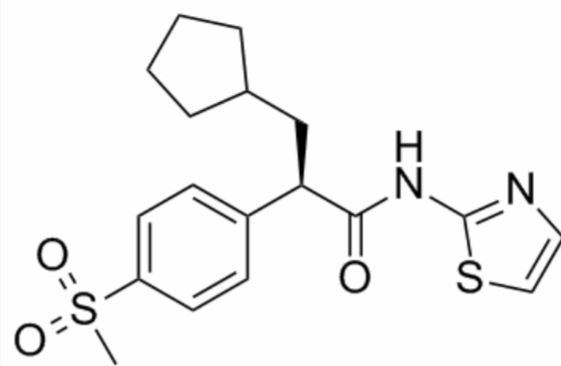
Ro 28-1675 (Ro 0281675) is a potent allosteric GK activator with a SC1.5 value of 0.24 ± 0.0019 μ M.

IC50 value: 0.24 ± 0.0019 μ M (SC1.5) [1]

Target: Glucokinase activator

The R stereoisomer Ro 28-1675 activated GK with a SC1.5 of 0.24 μ M, while the S isomer did not activated GK up to 10 μ M. Oral administration of Ro 28-1675 (50 mg/Kg) to male C57B1/6J mice caused a statistically significant reduction in fasting glucose levels and improvement in glucose tolerance relative to the vehicle treated animals [1].

Comparison of rat PK parameters indicated that Ro 28-1675 displayed lower clearance and higher oral bioavailability compared to 9a. Following a single oral dose, Ro 28-1675 reduced fasting and postprandial glucose levels following an OGTT, was well tolerated, and displayed no adverse effects related to drug administration other than hypoglycemia at the maximum dose (400 mg). [1]



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