
Product Data Sheet

Product Name: JTP 103237

Cat. No.: GC50567

Chemical Properties

Cas. No. 1883864-16-1

SMILES CC(C)(C1=CC(C(C)(C)C)=NC(N2CCN3C(C2)=NN=C3C4=CC=C(C=C4)OC(F)(F)F)=N1)C

Formula $C_{24}H_{29}F_3N_6O$ M.Wt 474.52

Solubility Soluble in DMSO 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**

Potent and selective monoacylglycerol acyltransferase 2 (MOGAT2) inhibitor (IC₅₀ = 20 - 40 nM). Displays >7000-fold selectivity for human MOGAT2 over human DGAT2. Modulates intestinal lipid absorption in mice. Decreases triglyceride, diacylglycerol and fatty acid synthesis in mouse model of fatty liver. Chronic treatment decreases hepatic triglyceride content and body weight, and improves glucose tolerance in diet-induced obese mice.

Okuma et al (2015) JTP-103237, a novel monoacylglycerol acyltransferase inhibitor, modulates fat absorption and prevents diet-induced obesity. Eur.J.Pharmacol. 758 72 PMID:25857225 | Okuma et al (2015) JTP-103237, a monoacylglycerol acyltransferase inhibitor, prevents fatty liver and suppresses both triglyceride synthesis and de novo lipogenesis. J.Pharmacol.Sci. 128 150 PMID:26215699

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
