
Product Data Sheet

Product Name: PF-05221304

Cat. No.: GC25726

Chemical Properties

Cas. No. 1370448-25-1

Formula C₂₈H₃₀N₄O₅ M.Wt 502.56

Solubility DMSO: 100 mg/mL (198.98 mM);Water: Insoluble;Ethanol: 5 mg/mL (9.95 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

PF-05221304 is an orally bioavailable, liver-targeted inhibitor of acetyl-CoA carboxylase (ACC), an enzyme that catalyzes the first committed step in de novo lipogenesis (DNL).

PF-05221304 inhibits DNL, stimulates fatty acid oxidation, and reduces triglyceride accumulation in primary human hepatocytes.[2]

PF-05221304 reduces DNL and steatosis in Western diet-fed rats in vivo, showing the potential to reduce hepatic lipid accumulation and potentially lipotoxicity.[2]

[1] Arthur Bergman, et al. Clin Pharmacol Drug Dev. 2020 May;9(4):514-526. [2] Ross TT, et al. Cell Mol Gastroenterol Hepatol. 2020;10(4):829-851.

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