

Product Data Sheet

Product Name: PF-06427878

Cat. No.: GC79554

Chemical Properties

Cas. No. 1809064-23-0

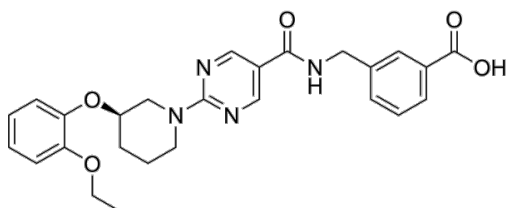
Formula $C_{26}H_{28}N_4O_5$ M.Wt 476.52

Solubility 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-06427878 is an orally active, selective liver-targeted diacylglycerol acyltransferase 2 (DGAT2) inhibitor with IC_{50} s of 99 nM and 202 nM for human and rat DGAT2, respectively. PF-06427878 shows greater than 470-fold selectivity for DGAT2 over DGAT1, MGAT1, MGAT2 and MGAT3. PF-06427878 can improve liver steatosis and function. PF-06427878 can be used for the study of nonalcoholic fatty liver diseases [1] [2].

References:

[1]. Amin NB, et al. Targeting diacylglycerol acyltransferase 2 for the treatment of nonalcoholic

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

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steatohepatitis. Sci Transl Med. 2019 Nov 27;11(520):eaav9701.

[2]. Sharma R, et al. Mitigating a Bioactivation Liability with an Azetidine-Based Inhibitor of Diacylglycerol Acyltransferase 2 (DGAT2) En Route to the Discovery of the Clinical Candidate Ervogastat. Chem Res Toxicol. 2023 Jun 19;36(6):934-946.

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