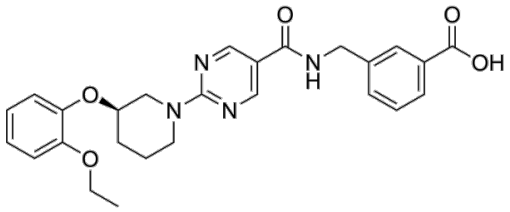
Product Data Sheet

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

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.

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