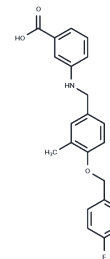


CAY10767

Chemical Properties

CAS No. : 2376590-40-6
 Formula: C₂₂H₂₀FNO₃
 Molecular Weight: 365.4
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	CAY10767 is an agonist of peroxisome proliferator-activated receptor α (PPAR α ; EC ₅₀ = 37 nM in a reporter assay). It is greater than 2,700-fold selective for PPAR α over PPAR γ or PPAR δ .
Targets(IC ₅₀)	Others,PPAR

Solubility Information

Solubility	DMF: 20 mg/mL (54.73 mM),Sonication is recommended. DMSO: 5 mg/mL (13.68 mM),Sonication is recommended. DMF:PBS (pH 7.2) (1:2): 0.3 mg/mL (0.82 mM),Sonication is recommended. Ethanol: 12 mg/mL (32.84 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7367 mL	13.6836 mL	27.3673 mL
5 mM	0.5473 mL	2.7367 mL	5.4735 mL
10 mM	0.2737 mL	1.3684 mL	2.7367 mL
50 mM	0.0547 mL	0.2737 mL	0.5473 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Dou, X., Nath, D., Shin, H., et al. Evolution of a 4-benzyloxy-benzylamino chemotype to provide efficacious, potent, and isoform selective PPAR α agonists as leads for retinal disorders. J. Med. Chem. 63(6)2854-2876(2020)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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