
Product Data Sheet

Product Name: Pemaibrate racemate

Cat. No.: GC36867

Chemical Properties

Cas. No. 848258-31-1

SMILES CCC(OC1=CC=CC(CN(C2=NC3=CC=CC=C3O2)CCCOC4=CC=C(OC)C=C4)=C1)C(O)=O

Formula $C_{28}H_{30}N_2O_6$ M.Wt 490.55

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution: ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure

Background

Pemaibrate racemate is the racemate of pemaibrate, and activates PPAR α activity, with EC₅₀s of 1 nM, >10 μ M and 1.7 μ M for h-PPAR α , h-PPAR γ and h-PPAR δ , respectively. h-PPAR α |1 nM (EC₅₀)|h-PPAR δ |1.7 μ M (EC₅₀)

Pemaibrate racemate activates PPAR α activity, with EC₅₀s of 1 nM, >10 μ M and 1.7 μ M for h-PPAR α , h-PPAR γ and h-PPAR δ , respectively[1].

[1]. Yamazaki Y, et al. Design and synthesis of highly potent and selective human peroxisome proliferator-activated receptor alpha agonists. Bioorg Med Chem Lett. 2007 Aug 15;17(16):4689-93. Epub2007 May 24.

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

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