
Product Data Sheet

Product Name: CP-868388 free base

Cat. No.: GC60113

Chemical Properties

Cas. No. 702681-67-2

SMILES O=C(N1C[C@H](C2=CC=CC(OC(C)(C(O)=O)C)=C2)CCC1)OCC3=CC=C(C(C)C)C=C3

Formula $C_{26}H_{33}NO_5$ M.Wt 439.54

Solubility DMSO : 125 mg/mL (284.39 mM; Need ultrasonic) Storage

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

CP-868388 free base is a potent, selective and orally active PPAR α agonist with a K_i value of 10.8 nM. CP-868388 free base has little or no affinity for PPAR β (K_i of 3.47 μ M) and PPAR γ . CP-868388 free base has hypolipidemic and anti-inflammatory actions[1].

CP-868388 (0-1 mM) displays robust and dose-dependent recruitment of SRC-1 (EC₅₀ of 4.7 nM) and PGC-1 α peptide[1]. CP-868388 demonstrate robust and selective transcriptional activation of PPAR α with an EC₅₀ of 18 nM in HepG2 cells[1].

CP-868388 (0-3 mg/kg; oral gavage; once daily; for 2 days; male B6/CBF1J mice) treatment shows a robust and highly significant decrease in circulating plasma triglycerides. Triglyceride lowering is dose-dependent with the greatest efficacy achieved at the 3.0 mg/kg dose, with triglyceride decreases of ~50%[1]. Animal Model: Male B6/CBF1J mice[1]

[1]. Christopher D Kane, et al. Molecular characterization of novel and selective peroxisome proliferator-activated receptor alpha agonists with robust hypolipidemic

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

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activity in vivo. Mol Pharmacol. 2009 Feb;75(2):296-306.

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