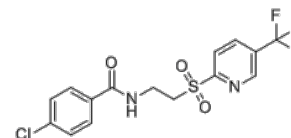


Product Name : GSK3787
Cat. No. : PC-20276
CAS No. : 188591-46-0
Molecular Formula : C₁₅H₁₂ClF₃N₂O₃S
Molecular Weight : 392.78
Target : PPAR
Solubility : 10 mM in DMSO



Biological Activity

GSK3787 (GSK 3787) is a potent, selective and irreversible antagonist of PPAR δ (**PPAR δ**) with binding pIC₅₀ of 6.6, without measurable affinity for hPPAR α or hPPAR γ .

GSK3787 shows equipotent species activity against the human and mouse receptor.

GSK3787 covalently modifies PPAR δ Cys249 within the ligand binding pocket.

PPAR δ antagonizes the induction of PPAR δ -regulated target genes in skeletal muscle cells.

GSK3787 antagonizes GW0742-induced expression of Angptl4 in mouse fibroblasts, mouse keratinocytes, and human cancer cell lines.

References

Shearer BG, et al. *J Med Chem*. 2010 Feb 25;53(4):1857-61.

Palkar PS, et al. *Mol Pharmacol*. 2010 Sep;78(3):419-30.

Hack K, et al. *PLoS One*. 2012;7(5):e37097.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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