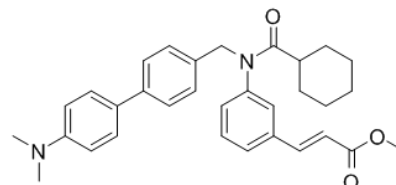


Product Name : Fexaramine
Cat. No. : PC-42734
CAS No. : 574013-66-4
Molecular Formula : C₃₂H₃₆N₂O₃
Molecular Weight : 496.6398
Target : Farnesoid X Receptor (FXR)
Solubility : 10 mM in DMSO



Biological Activity

Fexaramine is a potent, specific **FXR** agonist with EC₅₀ of 25 nM, more efficacious ligand for FXR than GW4064. Fexaramine shows no transcriptional activity against hRXR α , hPPAR $\alpha/\gamma/\delta$, mPXR, hPXR, hLXR α , hTR β , hRAR β , mCAR, mERR γ , and hVDR. Fexaramine strongly induces target genes SHP, PLTP BSEP, and MRP-2 in the HEPG2 liver cell system. Fexaramine robustly induces FGF15, leading to alterations in BA composition.

References

- Downes M, et al. *Mol Cell*. 2003 Apr;11(4):1079-92.
Fang S, et al. *Nat Med*. 2015 Feb;21(2):159-65.
Cho SW, et al. *J Bone Miner Res*. 2013 Oct;28(10):2109-21.

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

E-mail: tech@probechem.com