MOLNOVA
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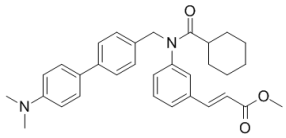
Datasheet (Version 1.0)

Product Name	:	Fexaramine
Synonyms	:	Fexaramine
Cat No.	:	M15095
CAS Number	:	574013-66-4
Molecular Formula	:	C32H36N2O3
Formula Weight	:	496.64
Chemical Name	:	2-Propenoic acid, 3-[3-[(cyclohexylcarbonyl)[[4'-(dimethylamino)[1,1'-biphenyl]-4-yl]methyl]amino]phenyl]-, methyl ester
Description	:	A potent, specific FXR agonist with EC50 of 25 nM, more efficacious ligand for FXR than GW4064; shows no transcriptional activity against hRXRα, hPPARα/γ/δ, mPXR, hPXR, hLXRα, hTRβ, hRARβ, mCAR, mERRγ, and hVDR; strongly induces target genes SHP, PLTP BSEP, and MRP-2 in the HEPG2 liver cell system; robustly induces FGF15, leading to alterations in BA composition.
Pathway	:	Metabolic Enzyme/Protease
Target	:	FXR
Receptor	:	FXR
Solubility	:	10 mM in DMSO
SMILES	:	O=C(OC)/C=C/C1=CC=CC(N(C(C2CCCCC2)=O)CC3=CC=C(C4=CC=C(N(C)C)C=C4)C=C3)=C1
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Downes M, et al. Mol Cell. 2003 Apr;11(4):1079-92.| 2. Fang S, et al. Nat Med. 2015 Feb;21(2):159-65.| 3. Cho SW, et al. J Bone Miner Res. 2013 Oct;28(10):2109-21.