

Product Name	: BMS-779788
Synonyms	: XL-652;BMS-788;EXEL-04286652
Cat No.	: M16592
CAS Number	: 918348-67-1
Molecular Formula	: C ₂₈ H ₂₉ ClN ₂ O ₃ S
Formula Weight	: 509.06
Chemical Name	: 1H-Imidazole-4-methanol, 2-[1-(2-chlorophenyl)-1-methylethyl]-α,α-dimethyl-1-[3'-(methylsulfonyl)[1,1'-biphenyl]-4-yl]-
Description	: A potent, highly selective partial LXR agonist with K _i of 14 nM for LXRβ, shows moderate selectivity (5-fold) over LXRα (K _i =68 nM); only has activity for PXR (EC ₅₀ =2 uM) in a panel of 14 NHRs; induces LXR target genes in blood in vivo (EC ₅₀ =610 nM); increases in biliary cholesterol and decreases in phospholipid and bile acid in animal models. Atherosclerosis Phase 1 Clinical
Pathway	: Nuclear Receptor/Transcription Factor
Target	: LXR
Receptor	: LXRα;LXRβ
Solubility	: DMSO: ≥ 31 mg/mL
SMILES	: <chem>CC(C)(C1=CC=CC=C1Cl)C2=NC(=CN2C3=CC=C(C=C3)C4=CC(=CC=C4)S(=O)(=O)C(C)C(C)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Kick E, et al. Bioorg Med Chem Lett. 2015 Jan 15;25(2):372-7. | 2. Kirchgessner TG, et al. J Pharmacol Exp Ther. 2015 Feb;352(2):305-14. | 3. Adams ML, et al. J Pharm Sci. 2016 Apr;105(4):1478-88.

