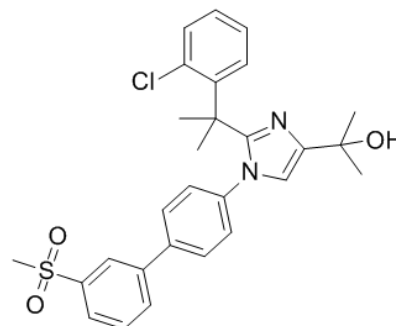


**Product Name** : BMS-779788  
**Cat. No.** : PC-45748  
**CAS No.** : 918348-67-1  
**Molecular Formula** : C<sub>28</sub>H<sub>29</sub>ClN<sub>2</sub>O<sub>3</sub>S  
**Molecular Weight** : 509.0594  
**Target** : Liver X Receptor (LXR)  
**Solubility** : DMSO: ≥ 31 mg/mL



## Biological Activity

BMS-779788 (XL-652) is a potent, highly selective partial **LXR agonist** with K<sub>i</sub> of 14 nM for LXR $\beta$ , shows moderate selectivity (5-fold) over LXR $\alpha$  (K<sub>i</sub>=68 nM).

BMS-779788 only has activity for PXR (EC<sub>50</sub>=2  $\mu$ M) in a panel of 14 NHRs.

BMS-779788 induces LXR target genes in blood in vivo (EC<sub>50</sub>=610 nM).

BMS-779788 increases in biliary cholesterol and decreases in phospholipid and bile acid in animal models.

## References

Kick E, et al. *Bioorg Med Chem Lett*. 2015 Jan 15;25(2):372-7.

Kirchgessner TG, et al. *J Pharmacol Exp Ther*. 2015 Feb;352(2):305-14.

Adams ML, et al. *J Pharm Sci*. 2016 Apr;105(4):1478-88.

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

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