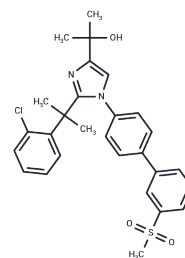


BMS-779788

Chemical Properties

CAS No. : 918348-67-1
 Formula: C₂₈H₂₉ClN₂O₃S
 Molecular Weight: 509.06
 Storage: Store at low temperature
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	BMS-779788 (XL-652) is an LXR α / β partial agonist (IC ₅₀ : 68/14 nM).
Targets(IC ₅₀)	Liver X Receptor
In vitro	BMS-779788 can effectively induce ATP binding transporters ABCA1 and ABCG1 in the human whole blood (EC ₅₀ : 1.2 μ M).
In vivo	BMS-779788 has an induced effect of LXR target genes in blood in vivo (EC ₅₀ : 610 nM). In elevating plasma triglyceride and LDL cholesterol, BMS-779788 is 29- and 12-fold less potent than the full agonist T0901317 respectively[1]. In mice, BMS-779788 displayed peripheral induction of ABCA1 at 3 and 10mpk doses with no significant elevation of plasma or hepatic triglycerides at these doses, showing an improved profile compared to a full pan-agonist[2].

Solubility Information

Solubility	DMSO: 60 mg/mL (117.86 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (4.91 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9644 mL	9.822 mL	19.644 mL
5 mM	0.3929 mL	1.9644 mL	3.9288 mL
10 mM	0.1964 mL	0.9822 mL	1.9644 mL
50 mM	0.0393 mL	0.1964 mL	0.3929 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kick, E., Martin, R., Xie, Y., Flatt, B., Schweiger, E., & Wang, T. et al. (2015). Liver X Receptor (LXR) partial agonists: Biaryl pyrazoles and imidazoles displaying a preference for LXR β . *Bioorganic & Medicinal Chemistry Letters*, 25(2), 372-377. doi: 10.1016/j.bmcl.2014.11.029

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481