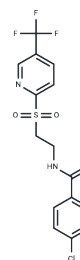


GSK3787

## Chemical Properties

CAS No. : 188591-46-0  
 Formula: C<sub>15</sub>H<sub>12</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>3</sub>S  
 Molecular Weight: 392.78  
 Storage: 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	GSK3787 is a specific and irreversible PPAR $\delta$ inhibitor(pIC <sub>50</sub> = 6.6).
Targets(IC <sub>50</sub> )	PPAR
In vivo	Ppar $\beta/\delta$ -null mice are administered GSK3787 (10 mg/kg) by oral gavage 3 hours before euthanasia.

## Solubility Information

Solubility	DMSO: 125 mg/mL (318.24 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (5.09 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	2.546 mL	12.7298 mL	25.4595 mL
5 mM	0.5092 mL	2.546 mL	5.0919 mL
10 mM	0.2546 mL	1.273 mL	2.546 mL
50 mM	0.0509 mL	0.2546 mL	0.5092 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

Shearer BG, et al. J Med Chem, 2010, 53(4), 1857-1861.

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Palkar PS, et al. Mol Pharmacol, 2010, 78(3) 419-430.

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