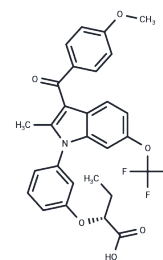


MK-0533

## Chemical Properties

CAS No. : 668455-28-5  
 Formula: C<sub>28</sub>H<sub>24</sub>F<sub>3</sub>N<sub>2</sub>O<sub>6</sub>  
 Molecular Weight: 527.49  
 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	MK-0533 is a novel PPAR $\gamma$ partial agonist for the prevention of vascular endothelial dysfunction (VED) and VED-related cardiovascular disease.
Targets(IC50)	PPAR

## Solubility Information

Solubility	DMSO: 55 mg/mL (104.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8958 mL	9.4789 mL	18.9577 mL
5 mM	0.3792 mL	1.8958 mL	3.7915 mL
10 mM	0.1896 mL	0.9479 mL	1.8958 mL
50 mM	0.0379 mL	0.1896 mL	0.3792 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

Acton JJ 3rd, et al. Discovery of (2R)-2-(3-{3-[(4-Methoxyphenyl)carbonyl]-2-methyl-6-(trifluoromethoxy)-1H-indol-1-yl}phenoxy)butanoic acid (MK-0533): a novel selective peroxisome proliferator-activated receptor gamma modulator for the treatment of type 2 diabetes mellitus with a reduced potential to increase plasma and extracellular fluid volume. J Med Chem. 2009 Jul 9;52(13):3846-54.

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